

# • SAFETY DATA SHEET

Version 6.18  
Revision Date 11/27/2025  
Print Date 11/28/2025

## SECTION 1. IDENTIFICATION

### 1.1 Product identifiers

Product name : Duolink® In Situ PLA® Probe Anti-Rabbit PLUS

Product Number : DUO92002  
Brand : Sigma

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Synthesis of substances

Uses advised against : The product is being supplied under the TSCA R&D Exemption (40 CFR Section 720.36). It is the recipient's responsibility to comply with the requirements of the R&D exemption. The product may not be used for a non-exempt commercial purpose under TSCA unless appropriate consent is granted in writing by MilliporeSigma.

### 1.3 Details of the supplier of the safety data sheet

Company : Sigma-Aldrich Inc.  
3050 SPRUCE ST  
ST. LOUIS MO 63103  
UNITED STATES

Telephone : +1 314 771-5765  
Fax : +1 800 325-5052

### 1.4 Emergency telephone number

Emergency Phone # : 800-424-9300 CHEMTREC (USA) +1-703-527-3887 CHEMTREC (International) 24 Hours/day; 7 Days/week

This is a summary SDS for a kit. For the full SDS for each of the components listed in section 16 please visit our website.

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## SECTION 2. HAZARDS IDENTIFICATION

### GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

#### Hazards for the product as supplied

Skin sensitisation : Category 1

Short-term (acute) aquatic hazard : Category 2

Long-term (chronic) aquatic hazard : Category 2

#### Other hazards

None known.

#### GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H317 May cause an allergic skin reaction.  
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**  
P261 Avoid breathing mist or vapours.  
P272 Contaminated work clothing must not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves.  
**Response:**  
P302 + P352 IF ON SKIN: Wash with plenty of water.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.  
P391 Collect spillage.  
**Disposal:**  
P501 Dispose of contents/ container to an approved waste disposal plant.

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## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Refer to component SDS

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#### **SECTION 4. FIRST AID MEASURES**

Refer to component SDS

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#### **SECTION 5. FIREFIGHTING MEASURES**

Refer to component SDS

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#### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Refer to component SDS

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#### **SECTION 7. HANDLING AND STORAGE**

For precautions see section 2.2.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.

Further information on storage conditions : Tightly closed.

Storage class : 12, Non Combustible Liquids

Recommended storage temperature : 36 - 46 °F / 2 - 8 °C

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#### **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Refer to component SDS

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#### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Refer to component SDS

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#### **SECTION 10. STABILITY AND REACTIVITY**

Refer to component SDS

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#### **SECTION 11. TOXICOLOGICAL INFORMATION**

Refer to component SDS

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#### **SECTION 12. ECOLOGICAL INFORMATION**

Refer to component SDS

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**SECTION 13. DISPOSAL CONSIDERATIONS**

Refer to component SDS

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**SECTION 14. TRANSPORT INFORMATION****International Regulations****IATA-DGR**

Not regulated as a dangerous good

**IMDG-Code**

Not regulated as a dangerous good

**Transport in bulk according to IMO instruments**

Not applicable for product as supplied.

**National Regulations****49 CFR Road**

Not regulated as a dangerous good

Poison Inhalation Hazard : No

**Special precautions for user**

Remarks : Not classified as dangerous in the meaning of transport regulations.

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**SECTION 15. REGULATORY INFORMATION****CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 302 Extremely Hazardous Substances Threshold Planning Quantity**

Components	CAS-No.	Component TPQ (lbs)
Duolink® PLA® probe anti-Rabbit PLUS (5x)	Not Assigned	
Duolink® Blocking Solution (1x)	Not Assigned	
Duolink® Antibody Diluent (1x)	Not Assigned	

**SARA 311/312 Hazards** : No SARA Hazards

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

## Clean Air Act

Warning: Manufactured with Duolink® PLA® probe anti-Rabbit PLUS (5x), Duolink® Blocking Solution (1x), Duolink® Antibody Diluent (1x), a substance which harms public health and environment by destroying ozone in the upper atmosphere.

40 CFR Protection of :  
Environment; Part 82  
Protection of  
Stratospheric Ozone -  
CAA Section 602 Class I  
Substances Ozone-  
Depletion Potential

40 CFR Protection of :  
Environment; Part 82  
Protection of  
Stratospheric Ozone -  
CAA Section 602 Class I  
Substances Ozone-  
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40 CFR Protection of :  
Environment; Part 82  
Protection of  
Stratospheric Ozone -  
CAA Section 602 Class I  
Substances Ozone-  
Depletion Potential

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

The following chemical(s) are listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F):

Duolink® PLA® probe anti-Rabbit PLUS (5x)	Not Assigned	>= 90 - <= 100 %
Duolink® Blocking Solution (1x)	Not Assigned	>= 90 - <= 100 %
Duolink® Antibody Diluent (1x)	Not Assigned	>= 90 - <= 100 %

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM1 Intermediate or Final VOC's (40 CFR 60.489):

Duolink® PLA® probe anti-Rabbit PLUS (5x)	Not Assigned	>= 90 - <= 100 %
Duolink® Blocking Solution (1x)	Not Assigned	>= 90 - <= 100 %
Duolink® Antibody Diluent (1x)	Not Assigned	>= 90 - <= 100 %

## Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

Duolink® PLA® probe anti-Rabbit PLUS (5x)	Not Assigned	>= 90 - <= 100 %
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Duolink® Blocking Solution (1x)	Not Assigned	>= 90 - <= 100 %
Duolink® Antibody Diluent (1x)	Not Assigned	>= 90 - <= 100 %

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

Duolink® PLA® probe anti-Rabbit PLUS (5x)	Not Assigned	>= 90 - <= 100 %
Duolink® Blocking Solution (1x)	Not Assigned	>= 90 - <= 100 %
Duolink® Antibody Diluent (1x)	Not Assigned	>= 90 - <= 100 %

This product contains the following toxic pollutants listed under the U.S. Clean Water Act Section 307

Duolink® PLA® probe anti-Rabbit PLUS (5x)	Not Assigned	>= 90 - <= 100 %
Duolink® Blocking Solution (1x)	Not Assigned	>= 90 - <= 100 %
Duolink® Antibody Diluent (1x)	Not Assigned	>= 90 - <= 100 %

This product contains the following priority pollutants related to the U.S. Clean Water Act:

Duolink® PLA® probe anti-Rabbit PLUS (5x)	Not Assigned	>= 90 - <= 100 %
Duolink® Blocking Solution (1x)	Not Assigned	>= 90 - <= 100 %
Duolink® Antibody Diluent (1x)	Not Assigned	>= 90 - <= 100 %

## US State Regulations

### Massachusetts Right To Know

Duolink® PLA® probe anti-Rabbit PLUS (5x)	Not Assigned
Duolink® Blocking Solution (1x)	Not Assigned
Duolink® Antibody Diluent (1x)	Not Assigned

### Maine Chemicals of High Concern

Duolink® PLA® probe anti-Rabbit PLUS (5x)	Not Assigned
Duolink® Blocking Solution (1x)	Not Assigned
Duolink® Antibody Diluent (1x)	Not Assigned

### Vermont Chemicals of High Concern

Duolink® PLA® probe anti-Rabbit PLUS (5x)	Not Assigned
Duolink® Blocking Solution (1x)	Not Assigned
Duolink® Antibody Diluent (1x)	Not Assigned

### Washington Chemicals of High Concern

Duolink® PLA® probe anti-Rabbit PLUS (5x)	Not Assigned
Duolink® Blocking Solution (1x)	Not Assigned
Duolink® Antibody Diluent (1x)	Not Assigned

### The components of this product are reported in the following inventories:

TSCA : Product contains substance(s) not listed on TSCA inventory.

## TSCA list

The following substance(s) is/are subject to a Significant New Use Rule:

Duolink® PLA® probe anti- Rabbit PLUS (5x) Not Assigned  
Duolink® Blocking Solution (1x) Not Assigned  
Duolink® Antibody Diluent (1x) Not Assigned

The following substance(s) is/are subject to TSCA 12(b) export notification requirements:

Duolink® PLA® probe anti- Rabbit PLUS (5x) Not Assigned  
Duolink® Blocking Solution (1x) Not Assigned  
Duolink® Antibody Diluent (1x) Not Assigned

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## SECTION 16. OTHER INFORMATION

### Kit Components:

Duolink® PLA® probe anti-Rabbit PLUS (5x)	Sigma	DUO82002
Duolink® Blocking Solution (1x)	Sigma	DUO82007
Duolink® Antibody Diluent (1x)	Sigma	DUO82008

### Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonised System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organisation for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and

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Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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US / EN

## Kit Components:

<b>Duolink® PLA® probe anti-Rabbit PLUS (5x)</b>					
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Sigma - DUO82002					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

<b>Duolink® Blocking Solution (1x)</b>					
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Sigma - DUO82007		Warning	<p>May cause an allergic skin reaction.</p> <p>Toxic to aquatic life with long lasting effects.</p>	<p>Avoid breathing mist or vapours.</p> <p><b>IF ON SKIN:</b> Wash with plenty of water. Dispose of contents/ container to an approved waste disposal plant. Contaminated work clothing must not be allowed out of the workplace. If skin irritation or rash occurs: Get medical advice/ attention. Avoid release to the environment. Take off contaminated clothing and wash it before reuse. Wear</p>	

				protective gloves. Collect spillage.	
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<b>Duolink® Antibody Diluent (1x)</b>					
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Sigma - DUO82008		Warning	<p>May cause an allergic skin reaction.</p> <p>Toxic to aquatic life with long lasting effects.</p>	<p>Avoid breathing mist or vapours.</p> <p><b>IF ON SKIN:</b> Wash with plenty of water. Dispose of contents/ container to an approved waste disposal plant. Contaminated work clothing must not be allowed out of the workplace. If skin irritation or rash occurs: Get medical advice/ attention. Avoid release to the environment. Take off contaminated clothing and wash it before reuse. Wear protective gloves. Collect spillage.</p>	