

SAFETY DATA SHEET

Version 8.6
Revision Date 09/07/2024
Print Date 04/05/2025

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifiers**

Product name : Human Carboxylesterase 1 Elisa

Product Number : RAB1360
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

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**2.1 Classification of the substance or mixture**

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Corrosive to Metals (Category 1), H290

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Carcinogenicity (Category 2), H351

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal Word

Warning

Hazard Statements

H290

May be corrosive to metals.

H351

Suspected of causing cancer.

Precautionary Statements

P201

Obtain special instructions before use.

P202

Do not handle until all safety precautions have been read and understood.

P234

Keep only in original container.

P280

Wear protective gloves/ protective clothing/ eye protection/ face protection.

P308 + P313

IF exposed or concerned: Get medical advice/ attention.

P390

Absorb spillage to prevent material damage.

P405

Store locked up.

P406

Store in corrosive resistant container with a resistant inner liner.

P501

Dispose of contents/ container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

SECTION 3: Composition/information on ingredients

Refer to component SDS

SECTION 4: First aid measures

Refer to component SDS

SECTION 5: Firefighting measures

Refer to component SDS

SECTION 6: Accidental release measures

Refer to component SDS

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The life science business of Merck KGaA, Darmstadt, Germany operates as MilliporeSigma in the US and Canada

**MILLIPORE
SIGMA**

SECTION 7: Handling and storage

7.1 Precautions for safe handling

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

No metal containers.

Tightly closed.

Storage stability Recommended storage temperature

-20 °C

Storage class

Storage class (TRGS 510): 8A: Combustible, corrosive hazardous materials

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

Refer to component SDS

SECTION 9: Physical and chemical properties

Refer to component SDS

SECTION 10: Stability and reactivity

Refer to component SDS

SECTION 11: Toxicological information

Refer to component SDS

SECTION 12: Ecological information

Refer to component SDS

SECTION 13: Disposal considerations

Refer to component SDS

SECTION 14: Transport information**DOT (US)**

UN number: 3264 Class: 8 Packing group: III
Proper shipping name: Corrosive liquid, acidic, inorganic, n.o.s. (sulphuric acid)
Reportable Quantity (RQ):
Poison Inhalation Hazard: No

IMDG

UN number: 3264 Class: 8 Packing group: III EMS-No: F-A, S-B
Proper shipping name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (sulphuric acid)

IATA

UN number: 3264 Class: 8 Packing group: III
Proper shipping name: Corrosive liquid, acidic, inorganic, n.o.s. (sulphuric acid)

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)
20X Wash Buffer (Item B)	Not Assigned	
HRP-Streptavidin (Item G)	Not Assigned	
ELISA Colorimetric TMB Reagent (HRP Substrate, Item H)	Not Assigned	
ELISA Stop Solution (Item I)	7664-93-9	
Human Carboxylesterase 1 ELISA Plate (Item A)	Not Assigned	
Lyophilized Human Carboxylesterase 1 Protein Standard (Item C)	Not Assigned	
Biotinylated Human Carboxylesterase 1 Detection Antibody (Item F)	Not Assigned	

SARA 311/312 Hazards : Acute Health Hazard
Chronic Health Hazard

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.

US State Regulations**Massachusetts Right To Know**

20X Wash Buffer (Item B)	Not Assigned
HRP-Streptavidin (Item G)	Not Assigned
ELISA Colorimetric TMB Reagent (HRP Substrate, Item H)	Not Assigned
ELISA Stop Solution (Item I)	7664-93-9
Human Carboxylesterase 1 ELISA Plate (Item A)	Not Assigned
Lyophilized Human Carboxylesterase 1 Protein Standard (Item C)	Not Assigned
Biotinylated Human Carboxylesterase 1 Detection Antibody (Item F)	Not Assigned

Pennsylvania Right To Know

20X Wash Buffer (Item B)	Not Assigned
HRP-Streptavidin (Item G)	Not Assigned
ELISA Colorimetric TMB Reagent (HRP Substrate, Item H)	Not Assigned
ELISA Stop Solution (Item I)	7664-93-9
Human Carboxylesterase 1 ELISA Plate (Item A)	Not Assigned
Lyophilized Human Carboxylesterase 1 Protein Standard (Item C)	Not Assigned
Biotinylated Human Carboxylesterase 1 Detection Antibody (Item F)	Not Assigned

Pennsylvania Right To Know

20X Wash Buffer (Item B)	Not Assigned
HRP-Streptavidin (Item G)	Not Assigned
ELISA Colorimetric TMB Reagent (HRP Substrate, Item H)	Not Assigned
ELISA Stop Solution (Item I)	7664-93-9
Human Carboxylesterase 1 ELISA Plate (Item A)	Not Assigned
Lyophilized Human Carboxylesterase 1 Protein Standard (Item C)	Not Assigned
Biotinylated Human Carboxylesterase 1 Detection Antibody (Item F)	Not Assigned

New Jersey Right To Know

20X Wash Buffer (Item B)	Not Assigned
HRP-Streptavidin (Item G)	Not Assigned
ELISA Colorimetric TMB Reagent (HRP Substrate, Item H)	Not Assigned
ELISA Stop Solution (Item I)	7664-93-9
Human Carboxylesterase 1 ELISA Plate (Item A)	Not Assigned
Lyophilized Human Carboxylesterase 1 Protein Standard (Item C)	Not Assigned

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

The ingredients 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:

Human Carboxylesterase 1	Not Assigned
ELISA Plate (Item A)	
Lyophilized Human	Not Assigned
Carboxylesterase 1 Protein	
Standard (Item C)	
Biotinylated Human	Not Assigned
Carboxylesterase 1 Detection	
Antibody (Item F)	
20X Wash Buffer (Item B)	Not Assigned
HRP-Streptavidin (Item G)	Not Assigned
ELISA Colorimetric TMB	Not Assigned
Reagent (HRP Substrate, Item H)	
ELISA Stop Solution (Item I)	7664-93-9

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

Human Carboxylesterase 1	Not Assigned
ELISA Plate (Item A)	
Lyophilized Human	Not Assigned
Carboxylesterase 1 Protein	
Standard (Item C)	
Biotinylated Human	Not Assigned
Carboxylesterase 1 Detection	
Antibody (Item F)	
20X Wash Buffer (Item B)	Not Assigned
HRP-Streptavidin (Item G)	Not Assigned
ELISA Colorimetric TMB	Not Assigned
Reagent (HRP Substrate, Item H)	
ELISA Stop Solution (Item I)	7664-93-9

SECTION 16: Other information

Kit Components:

Human	Sigma	RAB1360A
Carboxylesterase 1		
ELISA Plate (Item A)		
Lyophilized Human	Sigma	RAB1360C

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Carboxylesterase 1 Protein Standard (Item C)			
Biotinylated Human Carboxylesterase 1 Detection Antibody (Item F)	Sigma	RAB1360F	
20X Wash Buffer (Item B)	Sigma	RABWASH4	
HRP-Streptavidin (Item G)	Sigma	RABHRP5	
ELISA Colorimetric TMB Reagent (HRP Substrate, Item H)	Sigma	RABTMB3	Carc. 2; H351
ELISA Stop Solution (Item I)	Sigma	RABSTOP3	Met. Corr. 1; H290

Further information

The information is believed to be correct but is not exhaustive and will be used solely as a guideline, which is based on current knowledge of the chemical substance or mixture and is applicable to appropriate safety precautions for the product. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

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The branding on the header and/or footer of this document may temporarily not visually match the product purchased as we transition our branding. However, all of the information in the document regarding the product remains unchanged and matches the product ordered. For further information please contact mlsbranding@sial.com.

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Kit Components:

Human Carboxylesterase 1 ELISA Plate (Item A)					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - RAB1360A					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Lyophilized Human Carboxylesterase 1 Protein Standard (Item C)					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - RAB1360C					Not a hazardous substance or mixture.

Biotinylated Human Carboxylesterase 1 Detection Antibody (Item F)					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - RAB1360F					Not a hazardous substance or mixture.

20X Wash Buffer (Item B)					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - RABWASH4					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

HRP-Streptavidin (Item G)					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma -					No hazard pictogram, no

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RABHRP5					signal word, no hazard statement(s), no precautionary statement(s) required.
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ELISA Colorimetric TMB Reagent (HRP Substrate, Item H)

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - RABTMB3		Warning	Suspected of causing cancer.	Obtain special instructions before use. IF exposed or concerned: Get medical advice/ attention. Store locked up. Dispose of contents/ container to an approved waste disposal plant. Do not handle until all safety precautions have been read and understood. Wear protective gloves/ protective clothing/ eye protection/ face protection.	

ELISA Stop Solution (Item I)

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - RABSTOP3		Warning	May be corrosive to metals.	Keep only in original container. Absorb spillage to prevent material damage. Store in corrosive resistant container with a resistant inner liner.	