Product Information

Anti-Angiostatin
produced in goat, affinity isolated antibody

Catalog Number A1101

Synonym: Anti-Angiostatin Kringle 1-3

Product Description
Anti-Angiostatin is produced in goat using as immunogen a purified recombinant human angiostatin kringle 1-3, expressed in *Escherichia coli*. Affinity isolated antibody is obtained from goat anti-angiostatin antiserum by immuno-specific purification which removes essentially all goat serum proteins, including immunoglobulins, which do not specifically bind to the peptide.

Anti-Angiostatin recognizes recombinant human angiostatin by immunoblotting and ELISA. The antibody also recognizes plasminogen.

Angiostatin is a 38 kDa internal proteolytic fragment of plasminogen, which contains at least three Kringle domains. The kringle domains have specific biological activities, such as anti-migratory and anti-proliferative. Angiostatin, an endogenous angiogenesis inhibitor, inhibits endothelial cell proliferation *in vitro* and angiogenesis *in vivo*. It is a potent and specific natural inhibitor of angiogenesis and metastatic tumor growth.

Precautions and Disclaimer
This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability
Prior to reconstitution, store at −20 °C. Reconstituted product may be stored at 2-8 °C for at least one month. For prolonged storage, freeze in working aliquots at −20 °C. Avoid repeated freezing and thawing. Do not store in “frost-free” freezers.

Product Profile
Immunoblotting: a working concentration of 0.1-0.2 µg/ml is recommended. The detection limit for recombinant human angiostatin is ~5 ng/lane under non-reducing and reducing conditions.

Indirect ELISA: a working concentration of 0.5-1.0 µg/ml is recommended. The detection limit for recombinant human angiostatin is ~0.06 ng/well.

Note: In order to obtain the best results in various techniques and preparations, we recommend determining the optimal working dilutions by titration.

Endotoxin level: <0.1 EU/µg of antibody as determined by the LAL (Limulus amebocyte lysate) method.

References