

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse VE-Statin Isoform 1 in direct ELISAs and Western blots. In Western blots, approximately 10% cross-reactivity with recombinant human VE-Statin is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse VE-Statin Isoform 1 Thr21-Leu275 Accession # Q9QXT5
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Mouse VE-Statin (vascular endothelial cell statin; also EGFL7) is a secreted glycoprotein that belongs to an expanding family of EGF-like domain-containing proteins. It typically runs at 33-36 kDa in SDS-PAGE. Higher molecular weight monomers ranging from 40-42 kDa have also been reported, and suggested to be a consequence of O-linked glycosylation. VE-Statin is an early marker of embryonic endothelial cells, and occurs in adult endothelium. Its secretion blocks smooth muscle migration. The mature molecule is 254 amino acids (aa) in length, and contains one N-terminal EMI domain (aa 28-105), two EGF-like domains (aa 106-178), and a coiled-coil region (aa 196-220). There is at least one isoform that shows a 13 aa deletion between aa 236-248. Mature mouse VE-statin shares 76% and 80% aa sequence identity with dog and human VE-statin, respectively.

PRODUCT SPECIFIC NOTICES

This product is provided under an agreement between Life Technologies Corporation and R&D Systems, Inc, and the manufacture, use, sale or import of this product is subject to one or more US patents and corresponding non-US equivalents, owned by Life Technologies Corporation and its affiliates. The purchase of this product conveys to the buyer the non-transferable right to use the purchased amount of the product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components (1) in manufacturing; (2) to provide a service, information, or data to an unaffiliated third party for payment; (3) for therapeutic, diagnostic or prophylactic purposes; (4) to resell, sell, or otherwise transfer this product or its components to any third party, or for any other commercial purpose. Life Technologies Corporation will not assert a claim against the buyer of the infringement of the above patents based on the manufacture, use or sale of a commercial product developed in research by the buyer in which this product or its components was employed, provided that neither this product nor any of its components was used in the manufacture of such product. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, Cell Analysis Business Unit, Business Development, 29851 Willow Creek Road, Eugene, OR 97402, Tel: (541) 465-8300. Fax: (541) 335-0354.