

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse VE-Statin Isoform 1 in 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
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

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.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Mouse VE-Statin Isoform 1

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

VE-Statin, also known as epidermal growth factor-like domain 7 (EGFL7), is a secreted endothelial-specific protein that is a marker for progenitor, embryonic and adult endothelial cells. Mature soluble VE-Statin is a 30-32 kDa protein containing an N-terminal cysteine-rich EMI domain, followed by two EGF-like domains and a coiled-coil region. Two isoforms of mouse VE-Statin have been reported. Isoform 2 shows a deletion of 13 amino acid residues between residues 236 to 248 of isoform 1. VE-Statin inhibits PDGF-BB-induced smooth muscle cell migration. The amino acid sequence of mouse VE-Statin is 76% and 80% identical to that of canine and human VE-Statin, respectively.