

## Anti-Human VEGF-D Polyclonal Antibody

<b>CATALOG #:</b>	5643-100
<b>AMOUNT:</b>	100 µg
<b>LOT #:</b>	_____
<b>HOST:</b>	Rabbit
<b>IMMUNOGEN:</b>	<i>E. coli</i> expressed human VEGF-D (Internal ID# BV-F11G)
<b>SPECIES REACTIVITY:</b>	Human

### FORMULATION:

100 µg (0.5 mg/ml) affinity purified rabbit anti-human VEGF-D polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal

### STORAGE CONDITIONS:

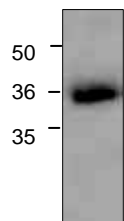
Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

### DESCRIPTION:

EGF-D is most closely related to VEGF-C by virtue of the presence of N- and C-terminal extensions that are not found in other VEGF family members. In adult human tissues, VEGF-D mRNA is most abundant in heart, lung, skeletal muscle, colon, and small intestine. Analyses of VEGF-D receptor specificity revealed that VEGF-D is a ligand for both VEGF receptors (VEGFRs) VEGFR-2 (Flk1) and VEGFR-3 (Flt4) and can activate these receptors. However, VEGF-D does not bind to VEGFR-1. Expression of a truncated derivative of VEGF-D demonstrated that the receptor-binding capacities reside in the portion of the molecule that is most closely related in primary structure to other VEGF family members and that corresponds to the mature form of VEGF-C. In addition, VEGF-D is a mitogen for endothelial cells. The recombinant VEGF-D as the immunogen was expressed based on sequence from Genebank Accession# D89630, 20-354 aa.

### APPLICATION AND USAGE:

The antibody can be used for Western blot analysis (0.5-4 µ/ml). However, the optimal conditions should be determined individually. Recombinant human VEGF-D (Cat.# 4643-10) can be used as a positive control.



VEGF-D

**Cat.#: 5643-100**

Western blot analysis of VEGF-D using recombinant human VEGF-D (50 ng).

### RELATED PRODUCTS:

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- Membrane Protein Extraction Kit
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- Mammalian Cell Extraction Kit
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**FOR RESEARCH USE ONLY! Not to be used on humans.**