

VEGF (Ms) Rabbit Recombinant Oligoclonal Antibody – Purified

Publication Part no. MAN0005606

Rev. 1.0

Catalog Number: 710151

Store at 2 to 8°C (short-term), or -20°C (long-term)

Clonality: Oligoclonal
Concentration: 0.5 mg/mL
Quantity: 100 µg
Volume: 200 µL

Host/Class: Rabbit IgG
Reactivity: Mouse VEGF A
Predicted Reactivity: Mouse

Product Description

VEGF belongs to a family of heparin binding growth factors and is the major mediator of vasculogenesis and angiogenesis. VEGF has a variety of effects on vascular endothelium, including the ability to promote endothelial cell viability, mitogenesis, chemotaxis, and vascular permeability. VEGF is a 45 kDa homodimeric glycoprotein, but other isoforms can be produced through alternative splicing.

Product Specifications

Immunogen: Recombinant protein corresponding to amino acids 206–317 of mouse vascular endothelial growth factor A

Alternate Names: Vegfa, Vpf

Apparent MW: ~40 kDa

Gene ID: 22339

Protein Accession No.: Q00731

Sequence Identity: Mouse

Sequence Homology: Rat

Clone/PAD: 1HCLC

Lot: See product label

Product Applications

Application	Species	Test Material	Concentration
Western blotting	Mouse	Active recombinant protein	1–3 µg/mL
Indirect ELISA	Human	Recombinant protein	0.5 x 10 ⁻³ to 10 µg/mL

Storage and Handling

Store the antibody at 2 to 8°C for up to 1 month, or -20°C for long storage. Avoid repeated freezing and thawing.

Stability

Expires one year from date of receipt when stored as instructed.

Storage Buffer

Phosphate buffered saline (PBS) with 0.09% sodium azide.

Note: Sodium azide is an extremely toxic and dangerous compound particularly when combined with acids or metals. Properly dispose of solutions containing sodium azide.

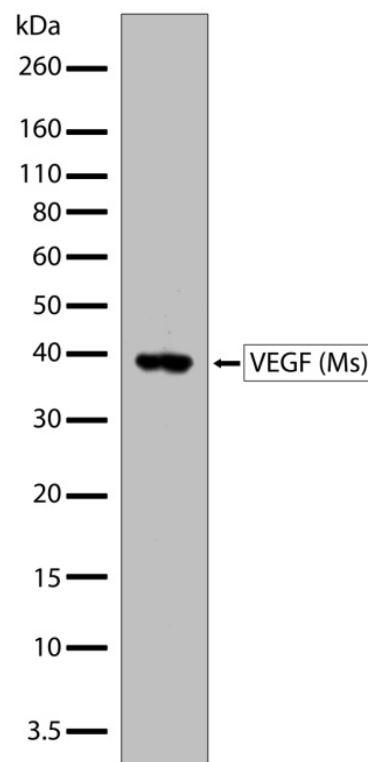


Figure 1 Western blot analysis of VEGF (Ms) Rabbit Recombinant Oligoclonal Antibody (Cat. no. 710151). Western blot analysis was performed on active recombinant mouse VEGF. A band corresponding to recombinant mouse VEGF at ~40 kDa was detected using VEGF (Ms) Rabbit Recombinant Oligoclonal Antibody at a concentration of 1 µg/mL. The blot was developed using chemiluminescence (ECL) method.

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Safety Data Sheets (SDS)

Safety Data Sheets (SDSs) are available at www.invitrogen.com/sds.

Certificate of Analysis

The Certificate of Analysis provides detailed quality control and product qualification information for each product. Certificates of Analysis are available on our website. Go to www.invitrogen.com/support and search for the Certificate of Analysis by product lot number, which is printed on the box.

Related Products

Product Name	Quantity	Catalog No.
iBlot® Dry Blotting System	1 unit	IB1001
WesternBreeze™ Chromogenic Kit Anti-Rabbit	1 kit	WB7105
WesternBreeze™ Chemiluminescent Kit, Anti-Rabbit	1 kit	WB7106
Goat anti-mouse (H+L), HRP conj.	1 mg	G21040
Goat anti-rabbit (H+L), HRP conj.	1 mg	G21234
Goat anti-mouse (H+L), AP conj.	1 mg	G21060
Goat anti-rabbit (H+L), AP conj.	1 mg	G21079
Nitrocellulose, 0.2 µm	20/pack	LC2000

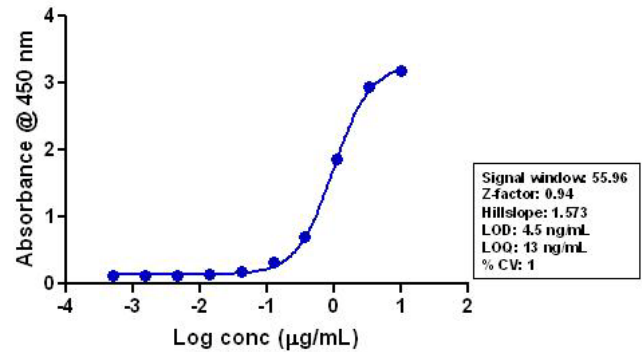


Figure 2 Indirect ELISA of VEGF (Ms) Rabbit Recombinant Oligoclonal Antibody (Cat. no. 710151). Indirect ELISA was performed using various dilutions of VEGF (Ms) Rabbit Recombinant Oligoclonal Antibody (Cat. no. 710151) to detect recombinant mouse VEGF protein coated onto the plate. A non-linear regression analysis was performed (4 PL) and LOD and LOQ for the antibody was determined.

Explanation of symbols

Symbol	Description	Symbol	Description
	Catalogue Number		Batch code
	Research Use Only		<i>In vitro</i> diagnostic medical device
	Use by		Temperature limitation
	Manufacturer		European Community authorised representative
	Without, does not contain		With, contains
	Protect from light		Consult accompanying documents
	Directs the user to consult instructions for use (IFU), accompanying the product.		

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