

Datasheet: MCA6287B

BATCH NUMBER 100005423

Description:	MOUSE ANTI HUMAN VEGF:Biotin
Specificity:	VEGF
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	CD19-4G11
Isotype:	IgG1
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			1.0 ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG conjugated to Biotin - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide (NaN ₃)
Stabilisers	1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml
Immunogen	<i>E. Coli</i> derived recombinant full length human VEGF (Ala27-Arg147)

**External Database
Links**

UniProt:

[Q969D9](#) [Related reagents](#)

Entrez Gene:

[85480](#) TSLP [Related reagents](#)

Fusion Partners

Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0

Specificity

Mouse anti Human VEGF antibody, clone CD19-4G11, recognizes vascular endothelial growth factor alpha (VEGF-A) which forms a homodimer and is a potent stimulator of angiogenesis of both normal and cancerous cells. It acts as a regulator of vasculogenesis, angiogenesis and endothelial cell growth. VEGF-A is secreted by many different cell types such as endothelial cells ([Nissen *et al.* 1998](#)), smooth muscle cells ([Brogi *et al.* 1994](#)), neutrophils ([Gaudry *et al.* 1997](#)), platelets ([Banks *et al.* 1998](#)), macrophages and 60% of all tumors ([Berse *et al.* 1992](#)).

The biotinylated Mouse anti Human VEGF antibody, clone CD19-4G11 (MCA6287B) can be used as a detection antibody in a sandwich ELISA with the purified Mouse anti Human VEGF antibody, clone CD17-1E1 ([MCA6286GA](#)) as the capture antibody.

Storage

Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

**Health And Safety
Information**

Material Safety Datasheet documentation #10041 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA6287B>
10041

Regulatory

For research purposes only

Related Products

Recommended Useful Reagents

[MOUSE ANTI HUMAN VEGF \(MCA6286GA\)](#)

ELISA Matched Pair - Capture Antibody

[MOUSE ANTI HUMAN VEGF \(MCA6286GA\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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