

Datasheet: MCA6286GA

**BATCH NUMBER 100005431**

<b>Description:</b>	MOUSE ANTI HUMAN VEGF
<b>Specificity:</b>	VEGF
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	CD17-1E1
<b>Isotype:</b>	IgG2b
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	<i>E. Coli</i> derived recombinant full length human VEGF (Ala27-Arg147)

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**External Database****Links****UniProt:**[P15692](#)[Related reagents](#)**Entrez Gene:**[7422](#)

VEGFA

[Related reagents](#)

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**Synonyms**

VEGF

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**Fusion Partners**

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

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**Specificity**

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

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**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.

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**Guarantee**

12 months from date of despatch

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**Health And Safety Information**

Material Safety Datasheet documentation #10040 available at:  
<https://www.bio-rad-antibodies.com/SDS/MCA6286GA>  
10040

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**Regulatory**For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)

[RPE](#)

Goat Anti Mouse IgG IgA IgM (STAR87...)

[HRP](#)

Goat Anti Mouse IgG (STAR76...)

[RPE](#)

Rabbit Anti Mouse IgG (STAR13...)

[HRP](#)

Goat Anti Mouse IgG (STAR70...)

[FITC](#)

Goat Anti Mouse IgG (H/L) (STAR117...)

[Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),  
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),

[FITC](#), [HRP](#)

Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

Goat Anti Mouse IgG (STAR77...) [HRP](#)

Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

### Recommended Useful Reagents

[MOUSE ANTI HUMAN VEGF:Biotin \(MCA6287B\)](#)

### ELISA Matched Pair - Detection Antibody

[MOUSE ANTI HUMAN VEGF:Biotin \(MCA6287B\)](#)

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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://bio-rad-antibodies.com/datasheets)

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