

ORDERING INFORMATION

Catalog Number: AF767

Lot Number: EJD016071

Size: 100 µg

Formulation: 0.2 µm filtered solution in PBS
with 5% trehalose

Storage: -20° C

Reconstitution: sterile PBS

Specificity: mouse VEGF-B (186)

Immunogen: *E. coli*-derived rmVEGF-B (186)

Ig Type: goat IgG

Applications: ELISA
Western blot
Immunohistochemistry

Preparation

Produced in goats immunized with purified, *E. coli*-derived, recombinant mouse vascular endothelial growth factor B (186) [rmVEGF-B (186)]. VEGF-B (186) specific IgG was purified by first passing the goat serum over a mouse VEGF-B (186) affinity column. VEGF-B (167) cross-reactivity was removed by passing the antibody over a mouse VEGF-B (167) affinity column.

Formulation

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

Endotoxin Level

< 0.1 EU per 1 µg of the antibody as determined by the LAL method.

Reconstitution

Reconstitute with sterile PBS. If 1 mL of PBS is used, the antibody concentration will be 0.1 mg/mL.

Storage

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C **in a manual defrost freezer** for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

Specificity

This antibody has been selected for its ability to recognize rmVEGF-B (186) in direct ELISAs and western blots. In these formats, this antibody shows approximately 25% cross-reactivity with rhVEGF-B (186) and no cross-reactivity with rhVEGF₁₆₅, rmVEGF-B (167), rhVEGF-C and rmVEGF-D.

Applications

Direct ELISA - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect mouse VEGF-B (186). The detection limit for rmVEGF-B (186) is approximately 0.5 ng/well.

Western blot - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect mouse VEGF-B (186). The detection limit for rmVEGF-B (186) is approximately 2 ng/lane under non-reducing and reducing conditions.

Immunohistochemistry - This antibody will detect VEGF-B in cells and tissues. The working dilution is 15 µg/mL. Detection may be done using fluorescence immunocytochemistry.

Optimal dilutions should be determined by each laboratory for each application.