

Product Datasheet

Mouse VEGF 164 (orb2993968)

Catalog Number	orb2993968
Category	Proteins
Description	Recombinant Mouse Vascular Endothelial Growth Factor A is produced by our Yeast expression system and the target gene encoding Ala27-Arg190 is expressed.
Conjugation	Unconjugated
Tag	Tag free
Form/Appearance	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 250mM NaCl, pH 7.0.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Purity	SDS-PAGE: Greater than 90% as determined by reducing SDS-PAGE. (QC verified)
UniProt ID	Q00731
MW	Predicted: 19.27 KDa. Observed: 18-22 KDa, reducing conditions
Expression System	P.Pichia
Endotoxins	1 EU/µg as determined by LAL test.
Biological Origin	Mouse

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Biological Activity

BLI: Loaded Mouse VEGFR2-Fc(Cat#orb2993886) on Protein A Biosensor, can bind Mouse VEGF 164(Cat#orb2993968) with an affinity constant of 0.44 nM as determined in BLI assay. Loaded Human VEGF Antibody (5E7)-Fc(Cat#DA082) on AHC Biosensor, can bind Mouse VEGF164(Cat#orb2993968) with an affinity constant of 3.63 nM as determined in BLI assay. Loaded Human VEGF-165 Antibody (6D9)-Fc(Cat#DA083) on AHC Biosensor, can bind Mouse VEGF164(Cat#orb2993968) with an affinity constant of 1.07 nM as determined in BLI assay.

Expression Region

Ala27-Arg190

Storage

Lyophilized protein should be stored at $\leq -20^{\circ}\text{C}$, stable for one year after receipt. Reconstituted protein solution can be stored at $2-8^{\circ}\text{C}$ for 2-7 days. Aliquots of reconstituted samples are stable at $\leq -20^{\circ}\text{C}$ for 3 months.

Note

For research use only

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