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Product Datasheet

Recombinant Human VEGF165 EBT-EPT029

Article Name	Recombinant Human VEGF165
Biozol Catalog Number	EBT-EPT029
Supplier Catalog Number	EPT029
Alternative Catalog Number	EBT-EPT029-10
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Human Vascular Endothelial Growth Factor A is produced by our Mammalian expression system and the target gene encoding Ala27-Arg191 is expressed....
Molecular Weight	Molecular weight: 19.1 KDa. Apparent molecular weight: 18-22 KDa, reducing conditions
UniProt	P15692
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes

Redissolve: 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.. Endotoxin: Less than 0.001 ng/µg (0.01 EU/µg) as determined by LAL test. Biological activity: Immobilized Human VEGF165 (CatC083) at 10µg/ml (100 µl/well) can bind Human VEGFR1-Fc (CatCJ93). The ED50 of Recombinant Human VEGFR1-Fc (CatCJ93) is 36.4 ng/ml. Background: Human Vascular endothelial growth factor (VEGF), also known as VEGF-A and vascular permeability factor (VPF), belongs to the platelet-derived growth factor family of cysteine-knot growth factors. It is a potent activator in vasculogenesis and angiogenesis both physiologically and pathologically. VEGF-A has 8 differently spliced isoforms, of which VEGF165 is the most abundant one. VEGF165 is a disulfide-linked homodimer consisting of two glycosylated 165 amino acid polypeptide chains. VEGF stimulates the cellular response through binding to tyrosine kinase receptors VEGFR1 and VEGFR2 on the cell surface. It is widely accepted that VEGFR2 mediate almost all of the known cellular responses to VEGF while the function of VEGFR1 is less defined and is thought to modulate the VEGFR2 signaling