

For Research Use Only

Rat VEGFA Recombinant antibody, PBS Only (Detector)

Catalog Number: 83610-2-PBS



Basic Information

Catalog Number:	83610-2-PBS	GenBank Accession Number:	NM_001287108.1	Purification Method:	Protein A purification
Concentration:	1000 µg/ml	GeneID (NCBI):	83785	CloneNo.:	240573B3
Source:	Rabbit	UNIPROT ID:	P16612-2		
Isotype:	IgG	Full Name:	vascular endothelial growth factor A		
Immunogen Catalog Number:	EG0941	Calculated MW:	25 kDa		

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
rat

Background Information

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

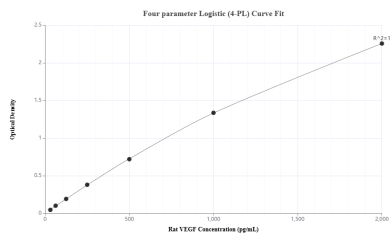
T: 4006900926

E: Proteintech-CN@ptglab.com

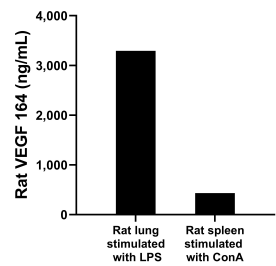
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

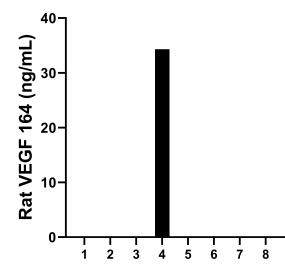
Selected Validation Data



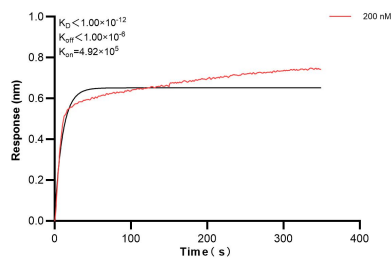
Sandwich ELISA standard curve of MP00598-3, Rat VEGF Recombinant Matched Antibody Pair - PBS only. 83610-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ego941. 83610-2-PBS was HRP conjugated as the detection antibody. Range: 31.25-2000 pg/mL



Rat lung, cut into 1-2 mm pieces, was cultured for 4 days in 25-30 mL of RPMI supplemented with 10% fetal bovine serum and stimulated with 2.5 ng/mL LPS. The cell culture supernatant was removed, assayed for rat VEGF, and measured 3292.9 pg/mL. Rat spleen, cut into 1-2 mm pieces, was cultured for 3-4 days in 25-30 mL of RPMI supplemented with 10% fetal bovine serum and stimulated with 10 μ g/mL ConA. The cell culture supernatant was removed, assayed for



Serum of eight rats was measured. The VEGF concentration of one sample was determined to be 34.3 pg/mL, and the range of VEGF 164 concentration was 0 - 34.3 pg/mL



Biolayer interferometry (BLI) kinetic assays of 84610-2-PBS against Rat VEGFA were performed. The affinity constant is below 1 pM.