

For Research Use Only

VEGFR2/KDR Monoclonal antibody, PBS Only (Capture)

Catalog Number: 68689-1-PBS



Basic Information

Catalog Number: 68689-1-PBS	GenBank Accession Number: NM_002253	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 3791	CloneNo.: 3A3F5
Source: Mouse	UNIPROT ID: P35968-1	Affinity: $K_D = 6.32 \times 10^{-12}M$ $K_{Off} = 3.94 \times 10^{-6}M$ $K_{On} = 6.24 \times 10^5M$
Isotype: IgG1	Full Name: kinase insert domain receptor (a type III receptor tyrosine kinase)	
Immunogen Catalog Number: EG0218	Calculated MW: 152 kDa	

Applications

Tested Applications:
Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
human

Product Information

68689-1-PBS targets VEGFR2/KDR as part of a matched antibody pair.

MP50080-1: 68689-1-PBS capture and 68689-2-PBS detection (validated in Sandwich ELISA)

Unconjugated mouse monoclonal antibody pair in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Storage

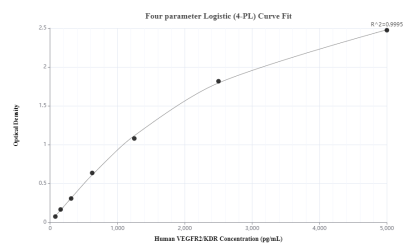
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

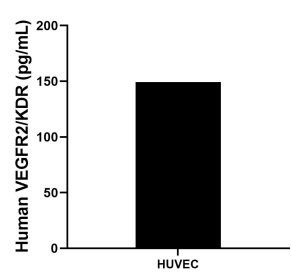
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

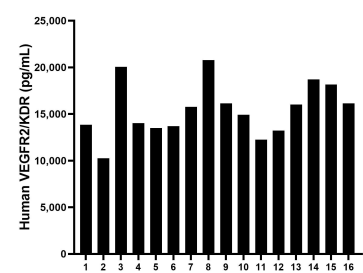
Selected Validation Data



Sandwich ELISA standard curve of MP50080-1, KDR Monoclonal Matched Antibody Pair - PBS only. 68689-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0218. 68689-2-PBS was HRP conjugated as the detection antibody. Range: 78.1-5000 pg/mL



HUVEC human umbilical vein endothelial cells were cultured in EGM-2. Aliquots of the cell culture supernatants were removed, assayed for levels of VEGFR2/KDR and measured 149.4 pg/mL



Serum of sixteen individual healthy human donors was measured. The human VEGFR2/KDR concentration of detected samples was determined to be 15,470.3 pg/mL with a range of 10,253.3 - 20,780.0 pg/mL