

For Research Use Only

# VEGFR2/KDR Monoclonal antibody, PBS Only (Detector)

Catalog Number: 68689-2-PBS



## Basic Information

<b>Catalog Number:</b> 68689-2-PBS	<b>GenBank Accession Number:</b> NM_002253	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3791	<b>CloneNo.:</b> 3C10A1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P35968-1	<b>Affinity:</b> $K_D = 3.25 \times 10^{-10}M$
<b>Isotype:</b> IgG1	<b>Full Name:</b> kinase insert domain receptor (a type III receptor tyrosine kinase)	$K_{off} = 2.90 \times 10^{-4}M$ $K_{on} = 8.91 \times 10^5M$
<b>Immunogen Catalog Number:</b> EG0218	<b>Calculated MW:</b> 152 kDa	

## Applications

**Tested Applications:**  
Sandwich ELISA, Indirect ELISA, Sample test

**Species Specificity:**  
human

## Product Information

68689-2-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

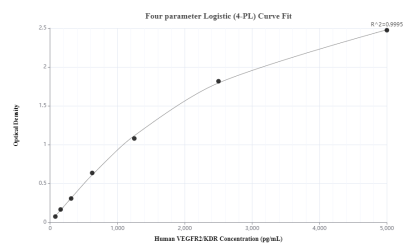
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

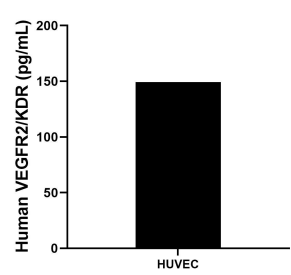
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

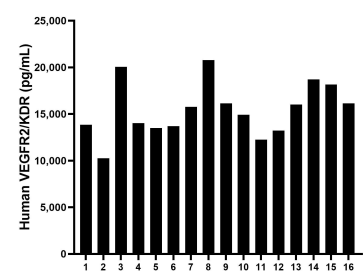
## Selected Validation Data



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