

VEGFR2/KDR Monoclonal Matched Antibody Pair, PBS Only

Catalog Number: **MP50080-1**

Capture Antibody Information

Catalog Number:
68689-1-PBS

Host:
Mouse

Isotype:
IgG1

Purification Method:
Protein A purification

Clone ID:
3A3F5

Reactivity:
human

Immunogen Catalog Number:
Eg0218

Conjugate:
Unconjugated

Full name:
kinase insert domain receptor (a type III receptor tyrosine kinase)

Gene ID:
3791

Affinity:
 $K_D = 6.32 \times 10^{-12} \text{M}$
 $K_{off} = 3.94 \times 10^{-6} \text{M}$
 $K_{on} = 6.24 \times 10^5 \text{M}$

Detection Antibody Information

Catalog Number:
68689-2-PBS

Host:
Mouse

Isotype:
IgG1

Purification Method:
Protein A purification

Clone ID:
3C10A1

Reactivity:
human

GenBank:
NM_002253

Immunogen Catalog Number:
Eg0218

Conjugate:
Unconjugated

Full name:
kinase insert domain receptor (a type III receptor tyrosine kinase)

Gene ID:
3791

Affinity:
 $K_D = 3.25 \times 10^{-10} \text{M}$
 $K_{off} = 2.90 \times 10^{-4} \text{M}$
 $K_{on} = 8.91 \times 10^5 \text{M}$

Applications

Tested Applications:
Sandwich ELISA

Range:
78.1-5000 pg/mL (Sandwich ELISA)

Recommended Dilutions:
It is recommended that this reagent should be titrated in each testing system to obtain optimal results.

Product Information

MP50080-1 targets VEGFR2/KDR in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: VEGFR2/KDR Monoclonal antibody, PBS Only (Capture) 68689-1-PBS (3A3F5). 100 µg. Concentration 1 mg/mL.

Detection antibody: VEGFR2/KDR Monoclonal antibody, PBS Only (Detector) 68689-2-PBS (3C10A1). 100 µg. Concentration 1 mg/mL.

Unconjugated mouse monoclonal antibody pair in PBS only storage buffer at a concentration of 1 mg/mL, ready for conjugation.

Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

Storage

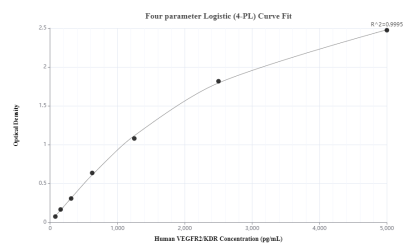
Storage:
Store at -80°C.

Storage buffer:
PBS only

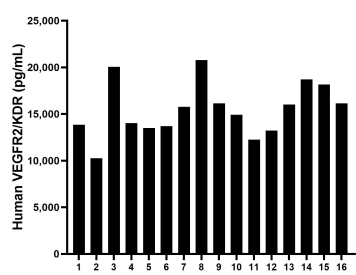
For technical support and original validation data for this product please contact:
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
 E: proteintech@ptglab.com
 W: ptglab.com

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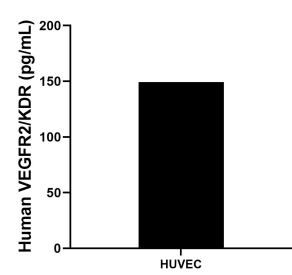
Selected Validation Data



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.



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.



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.