

# Rabbit anti-Human VEGFR2/FIk-1 mAb(CAP)

**Catalog No.:** RMK0019

## Basic Information

**Catalog No.**  
RMK0019

**Catagory**  
Elisa Antibody Kit

**Application**  
ELISA

## Product Information

**Ig Type**  
Rabbit IgG

**Purification**  
Affinity purification

**Endotoxin Level**

**Storage**  
This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C.  
Preservative □ 0.05% ProClin 300.  
**Avoid repeated freeze-thaw cycles.**

**Formulation**  
Supplied as a 0.2um filtered solution in PBS with 0.05% ProClin 300, PH 7.4.

## Contact

 | order@abclonal.com

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## Background

VEGF R2 [also known as KDR (kinase insert domain receptor) in humans or Flk-1 (fetal liver kinase-1) in mice], is a member of the class III subfamily of receptor tyrosine kinases (RTKs) that also includes VEGF R1 (Flt-1) and VEGF R3 (Flt-4). All three receptors contain seven Ig-like repeats within their extracellular domains and kinase insert domains in their intracellular regions. The expression patterns of VEGF R1, VEGF R2, and VEGF R3 are almost exclusively restricted to endothelial cells. These receptors play essential roles in angiogenesis. VEGF R2 binds VEGF-A (VEGF121, VEGF165, VEGF189 and VEGF206 splice variants), VEGF-C and VEGF-D. The full-length cDNA for VEGF R2 encodes a 1356 amino acid (aa) precursor protein with a 19 aa signal peptide. The mature protein is composed of a 745 aa extracellular domain, a 25 aa transmembrane domain and a 567 aa cytoplasmic domain. The gene for VEGF R2 maps to human chromosome 4q31.2–q32, a locus distinct from locations for other type III growth factor RTKs. VEGF R1, VEGF R2, and VEGF R3 are pref...

## Immunogen Information

**Immunogen**  
Recombinant Human VEGFR2/FIk-1

## Cross-Reactivity

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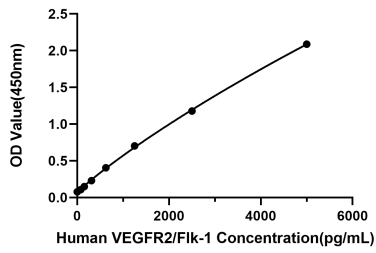
## Assay Applications

Human VEGFR2/FIk-1 Sandwich ELISA Immunoassay

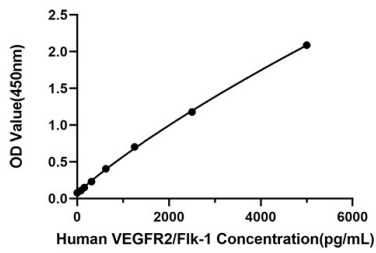
	Recommended Concentration	Sample
ELISA Capture	1-4ug/mL	Rabbit anti-Human VEGFR2/FIk-1 mAb(CAP)(Cat. No.RMK0019 )
ELISA Detection	0.25-1ug/mL	Rabbit anti-Human VEGFR2/FIk-1 mAb(DET)(Cat. No.RMK0020 )
Standard	78.13-5000pg/mL	Recombinant Human VEGFR2/FIk-1 Protein(Cat. No.RP00084)

## Validation Data

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This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.



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