

## Anti-VEGFR2/KDR Antibody (1S897)

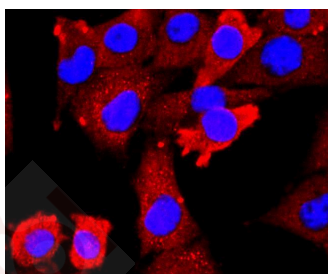
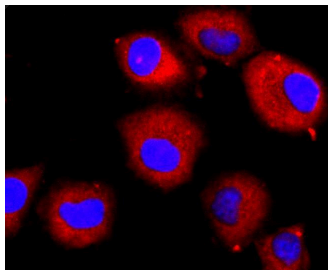
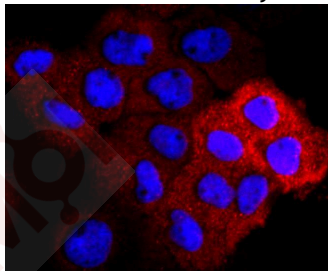
### Product Details

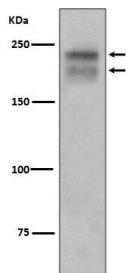
Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 210, 230 kDa.
Clone:	1S897
Purification:	ProA affinity purified

### Applications

#### Verified Activity:

1. ICC staining VEGF Receptor 2 in A431 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
2. ICC staining VEGF Receptor 2 in HUVEC cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
3. ICC staining VEGF Receptor 2 in PMVEC cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
4. Western blot analysis of VEGFR2 expression in Human placenta lysate.





Application: ICC,IHC,IP,WB

Recommended WB: 1:500-1000; IHC: 1:50-100; ICC: 1:50-200

### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P35968

Synonyms: KDR;VEGFR-21;VEGFR2;FLK1;Ly73;VEGFR;KRD1;CD309

### Research Background

Three cell membrane receptor tyrosine kinases, Flt (also designated VEGF-R1) (1-3), Flk-1 (also designated VEGF-R2) (4-6) and Flt-4, putatively involved in the growth of endothelial cells, are characterized by the presence of seven immunoglobulin-like sequences in their extracellular domain. These receptors exhibit high degrees of sequence relatedness to each other as well as lesser degrees of relatedness to the class III receptors including CSF-1/Fms, PDGR, SLFR/Kit and Flt-3/Flk-2. Two members of this receptor class, Flt-1 and Flk-1, have been shown to represent high affinity receptors for vascular endothelial growth factors (VEGFs) (3,5). On the basis of structural similarity to Flt and Flk-1, it has been speculated that Flt-4 might represent a third receptor for either VEGF or a VEGF-related ligand.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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