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Product Data Sheet

Recombinant Anti-VEGFR1 Rabbit mAb

Catalog #	Source	Reactivity	Applications
CMA4478	Rabbit	H, M, R	WB, IF/IC

Description	Recombinant rabbit monoclonal antibody to VEGFR1
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within human VEGFR1 protein. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of VEGFR1 protein
Clonality	Monoclonal
Conjugation	
Form	Liquid in PBS containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.
Dilution	WB (1/500 - 1/1000), IF/IC (1/50 - 1/200)
Gene Symbol	FLT1
Alternative Names	FLT; FRT; VEGFR1; Vascular endothelial growth factor receptor 1; VEGFR-1; Fms-like tyrosine kinase 1; FLT-1; Tyrosine-protein kinase FRT; Tyrosine-protein kinase receptor FLT; FLT; Vascular permeability factor receptor
Entrez Gene	2321 (Human); 14254 (Mouse); 54251 (Rat)
SwissProt	P17948 (Human); P35969 (Mouse); P53767 (Rat)
Storage/Stability	Shipped at 4° C. Upon delivery aliquot and store at -20° C for one year. Avoid freeze/thaw cycles.

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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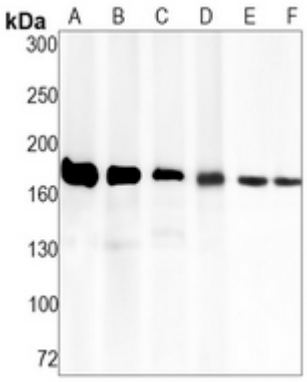
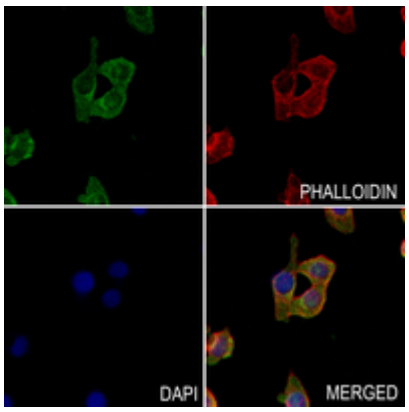


Western blot analysis of VEGFR1 expression in HEK293T (A), Jurkat (B), K562 (C), mouse kidney (D), mouse muscle (E), rat muscle (F) whole cell lysates. (Predicted band size: 150 kD; Observed band size: 180 kD)



Immunofluorescent analysis of VEGFR1 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 ° C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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