

Code No. 10347

**Anti-Human  
KDR (23B31) Mouse IgG MoAb**Volume : 100 µg

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**Introduction** : KDR, alternative name Flk-1 (type 2 receptor), is one of the receptors for VEGFs, important growth factors for vasculogenesis, angiogenesis and lymphangiogenesis. Flt-1 (type 1 receptor) is also known as a VEGF receptor. In particular, it is believed that they play important roles in the signal transduction of endothelial and lymphatic endothelial cells. It is understood that after binding with VEGF, Flt-1 and KDR/Flk-1 stimulate the vascular endothelial cells in a coordinated action.

This monoclonal antibody recognizes KDR by W.B. and I.P. applications and it enables FACS analysis of KDR-expressing cells. It has been confirmed that the addition of this antibody does not induce ligand-binding-dependent phosphorylation of KDR and it may be used as a neutralizing antibody.

**Antigen** : Recombinant protein of extracellular domain of human KDR

**Source** : Mouse-Mouse hybridoma  
(X63 - Ag 8.653 × BALB/c mouse spleen cells, supernatant)

**Clone** : 23B31

**Subclass** : IgG<sub>1</sub>

**Purification** : Affinity purified with protein A

**Form** : Lyophilized product from 1 % BSA in PBS containing 0.05 % NaN<sub>3</sub>

**How to use** : 1.0 mL deionized water will be added to the product, then its concentration comes to 100 µg/mL

**Stability** : Lyophilized product, 5 years at 2 - 8 °C  
: Solution, 2 years at -20 °C

**Application** : This antibody can be used for western blotting in concentration of 1 - 5 µg/mL  
: This antibody can be used for immuno-precipitation in concentration of about 3 - 5 µg /test.  
: This antibody can be used for FACS at 0.1~0.5 µg (per 1×10<sup>5</sup> cells)  
: This antibody can be used for neutralization assay at 10 µg/mL against the phosphorylation induced by ligand-binding at 20ng/mL.  
\* For neutralization assay, please request for the antibody without BSA and NaN<sub>3</sub>.  
(product code. 10347F)

**Specificity** : Confirmed by western blotting with HUVEC.

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