IBL Data Sheet

Code No. 10347F

Anti- Human
KDR (23B31) Mouse IgG MoAb (Frozen)

Volume : 100 μg (1.0 mg/mL, 0.1mL)

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-Ag8.653×BALB/c spleen cells)

Clone : 23B31 **Subclass** : IgG_1

Purification : Affinity Purified with protein A

Form : Frozen product in PBS (Non-containing BSA and NaN_3, sterilized)

Stability : 2 years at –20 ℃

Application : This antibody can be used for neutralization assay at 10 μg/mL against the phosphorylation induced by ligand-binding at 20 ng/mL.

: This antibody can be used for western blotting at 1～5 μg/mL.
: This antibody can be used for immunoprecipitation at 3～5 μg/mL.
: This antibody can be used for FACS at 0.1～0.5 μg (per $1×10^5$ cells).

Specificity : Confirmed by western blotting with HUVEC.

Immuno-Biological Laboratories Co., Ltd. URL: http://www.ibl-japan.co.jp E-Mail: do-ibl@ibl-japan.co.jp