



EPHB4 Mouse Monoclonal Antibody

E10-20334

Background: EphB4. EPH receptor B4, also known as Htk, Myk1, Tyro11. Entrez Protein. NP_004435. It is a member of the Eph receptor family, which bind the ephrin ligand family. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. Ephrin receptors make up the largest subgroup of the receptor tyrosine kinase (RTK) family. The EphB4 protein binds to ephrin-B2 and plays an essential role in vascular development.

Catalog Number: E10-20334

Amount: 100µg/100µl

Clone Number: 5B5

Species: Mouse IgG1

MW: 108kDa

Aliases: HTK; MYK1; TYRO11

Entrez Gene: 2050

Immunogen: Purified recombinant extracellular fragment of human EPHB4 fused with hlgGFc tag expressed in HEK293 cell line.

Storage: Store at 4 °C for long term storage, store at 20 °C for short term storage.

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human

Tested Applications: WB, IF, ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

Application notes: WB.1/500 - 1/2000.IF.1/200 - 1/1000.ELISA. Propose dilution 1/10000.

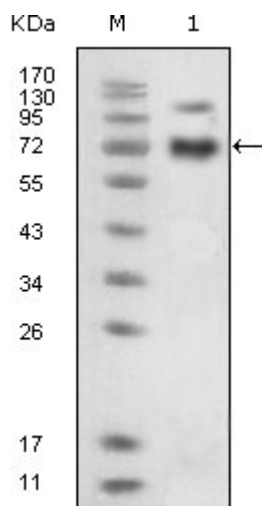


Figure 1. Western blot analysis using EphB4 mouse mAb against extracellular domain of human EphB4 (aa16-539).

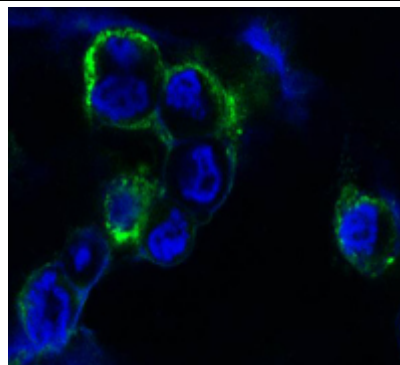


Figure 2. Confocal immunofluorescence analysis of methanol-fixed HEK293 cells transfected with EphB4-hlgGFc using EphB4 mouse mAb (green), showing membrane localization. Blue. DRAQ5 fluorescent DNA dye.