

EPHB4 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2868
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant extracellular fragment of human EPHB4 fused with hIgGfC tag expressed in HEK293 cell line.
Mol wt	108kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	ICC
Concentration	N/A
Full name	N/A
Synonyms	HTK;MYK1;TYRO11

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

Recommended Dilution

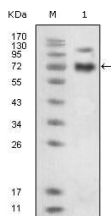
WB: 1:500 - 1:2000

ICC: 1:200 - 1:1000

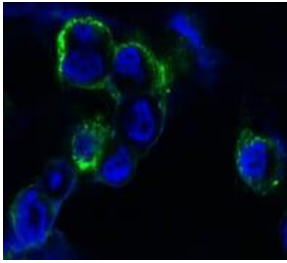
ELISA: 1:10000

Not yet tested in other applications.

Images



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



Confocal Immunofluorescence analysis of methanol-fixed HEK293 cells trasfected with EphB4-hlgGFc using EphB4 mouse mAb (green), showing membrane localization. Blue: DRAQ5 fluorescent DNA dye.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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