

Rabbit anti-Human EphB4 Monoclonal Antibody | anti-EphB4 antibody

Recombinant Anti-EphB4 Antibody (FITC), Rabbit Monoclonal

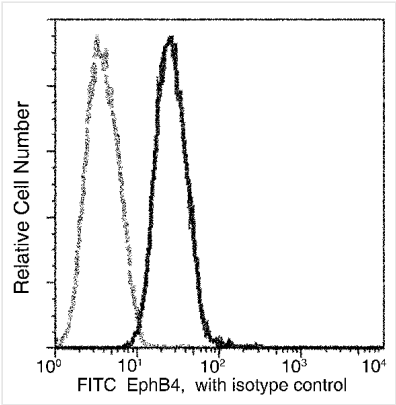
CATALOG # AAA254750	HOST Rabbit	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

EphB4; Monoclonal Antibody; Recombinant Anti-EphB4 Antibody (FITC); Rabbit Monoclonal; EphB4 Antibody (FITC); Rabbit MAb; EPH receptor B4; Anti-HTK Antibody; Anti-MYK1 Antibody; Anti-TYRO11 Antibody; anti-EphB4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	001
Specificity	Human EphB4
Purity/Purification	Protein A
Form/Format	PBS solution containing 0.5% BSA and 0.09% sodium azide
Concentration	10ul/Test, 0.1mg/ml (varies by lot)
Applicable Applications for anti-EphB4 antibody	FCM/FACS (Flow Cytometry)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Human EphB4 protein
Conjugation	FITC
Reagents	FITC-conjugated Rabbit monoclonal antibody
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human EphB4 (rh EphB4) and conjugated with FITC under optimum conditions, the unreacted FITC was removed.
Preparation and Storage	This antibody can be stored at 2-8 degree C for twelve months without detectable loss of activity. Protected from prolonged exposure to light. Do not freeze! Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of anti-human EphB4 on MCF-7 cells. MCF-7 cells were detached using 1X trypsin, washed, then stained with FITC Rabbit anti-human EphB4.

ADDITIONAL INFORMATION

Related Product Information for anti-EphB4 antibody	Ephrin type-B receptor 4 is a protein that in humans is encoded by the EPHB4 gene. It is a single-pass type I membrane protein belonging to the ephrin receptor subfamily of protein kinase superfamily. Members of the ephrin and Eph family are local mediators of cell function through largely contact-dependent processes in development and in maturity. Furthermore, EphB4 protein and the corresponding ligand Ephrin-B2 contribute to tumor growth in various human tumors. EphB4 protein has tumor suppressor activities and that regulation of cell proliferation, extracellular matrix remodeling, and invasive potential are important mechanisms of tumor suppression. Therefore, Ephrin-B2/EphB4 may be recognized as a novel prognostic indicator for cancers.
Product Categories/Family for anti-EphB4 antibody	Actin Dynamics Signaling Pathway
References	Davalos V, et al. (2006) EPHB4 and survival of colorectal cancer patients. Cancer Res. 66(18): 8943-8.Zhao C, et al. (2006) Bidirectional ephrinB2-EphB4 signaling controls bone homeostasis. Cell Metab. 4(2): 111-21.Kertesz N, et al. (2006) The soluble extracellular domain of EphB4 (sEphB4) antagonizes EphB4-EphrinB2 interaction, modulates angiogenesis, and inhibits tumor growth. Blood. 107(6): 2330-8.Noren NK, et al. (2007) Paradoxes of the EphB4 receptor in cancer. Cancer Res. 67(9): 3994-7.Taylor AC, et al. (2007) EphB4 expression along adult rat microvascular networks: EphB4 is more than a venous specific marker. Microcirculation. 14(3): 253-67.

NCBI AND UNIPROT INFORMATION

NCBI GI #	32528301
NCBI GeneID	2050
NCBI Accession #	NP_004435.3
NCBI GenBank Nucleotide #	NM_004444.4
UniProt Accession #	P54760; Q9BTA5; Q9BXP0
Molecular Weight	108,270 Da
NCBI Official Full Name	ephrin type-B receptor 4
NCBI Official Synonym Full Names	EPH receptor B4
NCBI Official Symbol	EPHB4
NCBI Official Synonym Symbols	HTK; MYK1; TYRO11
NCBI Protein Information	ephrin type-B receptor 4; ephrin receptor EphB4; soluble EPHB4 variant 1; soluble EPHB4 variant 2; soluble EPHB4 variant 3; hepatoma transmembrane kinase; tyrosine-protein kinase TYRO11; tyrosine-protein kinase receptor HTK
UniProt Protein Name	Ephrin type-B receptor 4

UniProt Gene Name	EPHB4
UniProt Synonym Gene Names	HTK; MYK1; TYRO11
UniProt Entry Name	EPHB4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/ephb4-antibody-clone-001-flow-cytometry-elisa/254750>