

For Research Use Only

Anti-Human EPHB4 Rabbit Recombinant Antibody

Catalog Number: 98685-3-RR



Basic Information

Catalog Number:

98685-3-RR

Size:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG6504

GenBank Accession Number:

NM_004444.4

GeneID (NCBI):

2050

UNIPROT ID:

P54760

Full Name:

EPH receptor B4

Calculated MW:

108 kDa

Purification Method:

Protein A purification

CloneNo.:

252186C2

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : MCF-7 cells,

Background Information

EPHB4 (Ephrin type-B receptor 4), a member of the largest family of receptor tyrosine kinases (RTK), is overexpressed in several tumor types, including prostate, breast, and bladder tumors and down-regulation of EPHB4 in tumor cell lines of these origins results in reduced cell viability, migration, and invasion. In endothelial cells, where EphB4 is normally expressed, it regulates cell migration, proliferation, and invasion (PMID: 15930280). The discovery of EphB4 as an alternative Epo receptor has multiple clinical implications including opportunities for patient stratification and anti-EphB4 approaches to abrogate the stimulatory effects of Epo on tumor growth (PMID: 16982731, 16424904).

Storage

Storage:

Store at 2 - 8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

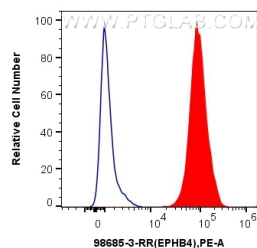
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

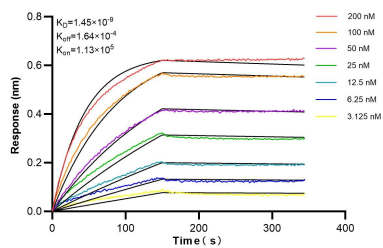
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ MCF-7 cells were surface stained with 0.25 ug Anti-Human EPHB4 Rabbit RecAb (98685-3-RR, Clone:252186C2) and PE-Conjugated Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were not fixed.



Biolayer interferometry (BLI) kinetic assays of 98685-3-RR against Human EPHB4 were performed. The affinity constant is 1.45 nM.