

For Research Use Only

Anti-Human EPHB4 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98685-3-PBS



Basic Information

Catalog Number: 98685-3-PBS	GenBank Accession Number: NM_004444.4	Purification Method: Protein A purification
Concentration: 1mg, 3 mg/ml	GeneID (NCBI): 2050	CloneNo.: 252186C2
Source: Rabbit	UNIPROT ID: P54760	
Isotype: IgG	Full Name: EPH receptor B4	
Immunogen Catalog Number: EG6504	Calculated MW: 108 kDa	

Applications

Tested Applications:
FC

Species Specificity:
human

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

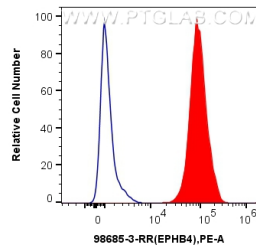
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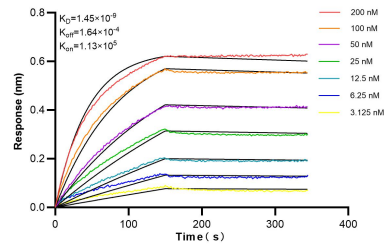
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Selected Validation Data



1×10^6 MCF-7 cells were surface stained with 0.25 μ g Anti-Human EPHB4 Rabbit RecAb (98685-3-RR, Clone:252186C2) and PE-Conjugated Goat Anti-Rabbit IgG(H+L) (red), or 0.25 μ g Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were not fixed. This data was developed using the same antibody clone with 98685-3-PBS in a different storage buffer formulation.



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