

For Research Use Only

Integrin beta-8 Recombinant antibody, PBS Only

Catalog Number: 84558-1-PBS



Basic Information

Catalog Number: 84558-1-PBS	GenBank Accession Number: NM_002214	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3696	CloneNo.: 241549A12
Source: Rabbit	UNIPROT ID: P26012	
Isotype: IgG	Full Name: integrin, beta 8	
Immunogen Catalog Number: AG31161	Calculated MW: 86 kDa	
	Observed MW: 95-100 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

Integrins are cell adhesion receptors that are heterodimers composed of non-covalently associated alpha and beta subunits. Integrin beta-8 (ITGB8), belongs to the integrin beta chain family, contains an N-terminal signal peptide, a large extracellular domain that includes four cysteine-rich repeats, a transmembrane domain, and a C-terminal cytoplasmic domain (PMID: 1918072). Integrin beta-8 associates with integrin alpha-V (ITGAV) to form an $\alpha\text{v}\beta 8$ heterodimer which has been shown to bind vitronectin, fibronectin, and a latency-associated peptide of TGF- $\beta 1/3$ (PMID: 27033701). Integrin beta-8 contains multiple potential N-linked glycosylation sites. The observed molecular mass of approximately 95-100 kDa for integrin beta-8 is larger than the predicted 86 kDa, consistent with substantial glycosylation (PMID: 1918072).

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

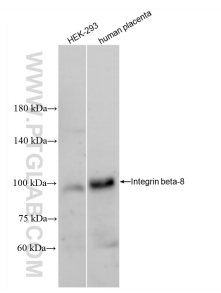
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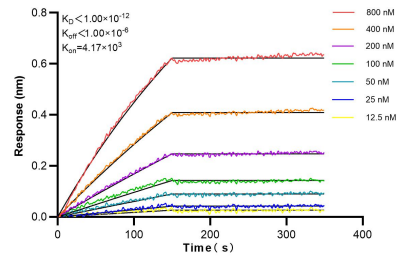
E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84558-1-RR (Integrin beta-8 antibody) at dilution of 1:4500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84558-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84558-1-RR against Human Integrin beta-8 were performed. The affinity constant is below 1 pM.