

For Research Use Only

Mouse IL-13RA2 Recombinant monoclonal antibody, PBS Only

Catalog Number: 85631-7-PBS



Basic Information

Catalog Number: 85631-7-PBS	GenBank Accession Number: NM_008356.4	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 16165	CloneNo.: 251942D5
Source: Rabbit	UNIPROT ID: O88786-1	
Isotype: IgG	Full Name: interleukin 13 receptor, alpha 2	
Immunogen Catalog Number: EG3118	Calculated MW: 44 kDa	
	Observed MW: 52 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
mouse

Background Information

IL13RA2, also named as IL13R and CD213a2, belongs to the type I cytokine receptor family. It binds as a monomer with high affinity to interleukin-13 (IL13), but not to interleukin-4 (IL4). IL13RA2 lacks the cytoplasmic domain for signaling, indicating that it acts as a decoy receptor. IL13RA2 gene polymorphisms have been associated with systemic sclerosis (PMID: 16981293). Overexpression of IL13RA2 gene has been reported in several types of cancer, including melanoma, lung cancer, and brain tumor, which makes it a potential immunotherapeutic target (PMID: 19895199; 24970476; 24021875).

Storage

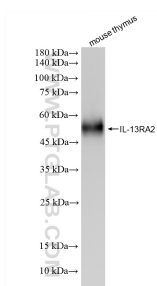
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

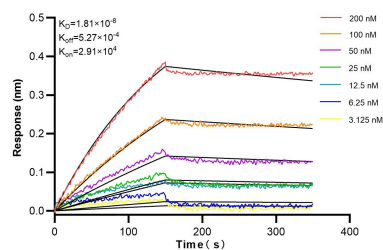
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Selected Validation Data



mouse thymus tissue was subjected to SDS PAGE followed by western blot with 85631-7-RR (IL-13RA2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85631-7-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 85631-7-RR against Mouse IL-13RA2 were performed. The affinity constant is 18.1 nM.