

For Research Use Only

IL-17F Recombinant monoclonal antibody, PBS Only

Catalog Number: 87510-1-PBS



Basic Information

Catalog Number: 87510-1-PBS	GenBank Accession Number: NM_052872.3	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 112744	CloneNo.: 252565B7
Source: Rabbit	UNIPROT ID: Q96PD4	
Isotype: IgG	Full Name: interleukin 17F	
Immunogen Catalog Number: EG2823	Calculated MW: 18 kDa	
	Observed MW: 18-20 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

The interleukin 17 (IL-17) family of cytokines contains 6 structurally related cytokines, IL-17A, IL-17B, IL-17C, IL-17D, IL-17E and IL-17F. IL-17 family plays crucial roles in host defense against microbial organisms and in the development of inflammatory diseases. IL-17A is a pro-inflammatory cytokine that also has the capacity to promote angiogenesis and osteoclastogenesis. IL-17F shares the highest homology with IL-17A and signals via a receptor composed by the IL-17RA and IL-17RC subunits. IL-17A and IL-17F can form IL-17A/A or IL-17F/F homodimers, IL-17A/F heterodimers are also formed. IL-17A and IL-17F, produced by the Th17 CD4(+) T cell lineage, have been linked to a variety of inflammatory and autoimmune conditions. IL-17F levels are elevated in sera and lesional psoriatic skin compared to non-lesional tissue. IL-17F also has been implicated in the development of neutrophilic airway inflammation.

Storage

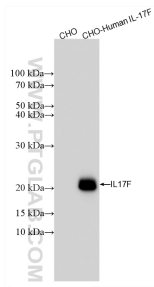
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

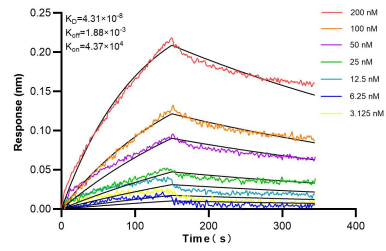
For technical support and original validation data for this product please contact:
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87510-1-RR (IL17F antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87510-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 87510-1-RR against Human IL-17F were performed. The affinity constant is 43.1 nM.