

For Research Use Only

SIRP Alpha/CD172a Recombinant antibody

Catalog Number: 83729-3-RR



Basic Information

Catalog Number: 83729-3-RR	GenBank Accession Number: NM_080792	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 140885	CloneNo.: 240789E7
Source: Rabbit	UNIPROT ID: P78324	Recommended Dilutions: IF/ICC 1:125-1:500
Isotype: IgG	Full Name: signal-regulatory protein alpha	
	Calculated MW: 55 kDa	

Applications

Tested Applications: IF/ICC, ELISA	Positive Controls: IF/ICC : THP-1 cells,
Species Specificity: human	

Background Information

SIRP Alpha, also known as CD172a, SHPS-1, and BIT, belongs to the SIRP family. SIRP Alpha is a transmembrane glycoprotein expressed explicitly on myeloid cells and provides a "do not eat me" signal after engaging with integrin-associated protein CD47 on tumor cells (PMID: 36419386). SIRP Alpha shows heterogeneity in molecular weight (~65-120 kDa) in various tissues due to differential glycosylation (PMID: 18051954).

Storage

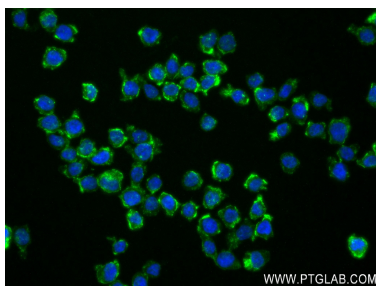
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

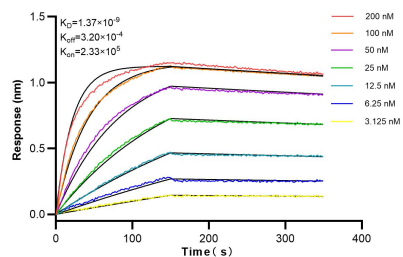
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed THP-1 cells using SIRP Alpha/CD172a antibody (83729-3-RR, Clone: 240789E7) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 83729-3-RR against Human SIRP Alpha were performed. The affinity constant is 1.37 nM.