

For Research Use Only

SIRP Alpha/CD172a Recombinant antibody, PBS Only (Detector)

Catalog Number: 83729-3-PBS



Basic Information

Catalog Number:

83729-3-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_080792

GeneID (NCBI):

140885

UNIPROT ID:

P78324

Full Name:

signal-regulatory protein alpha

Calculated MW:

55 kDa

Purification Method:

Protein A purification

CloneNo.:

240789E7

Applications

Tested Applications:

IF/ICC, Cytometric bead array, Indirect ELISA

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 -80°C.

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

Storage Buffer:

PBS Only

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

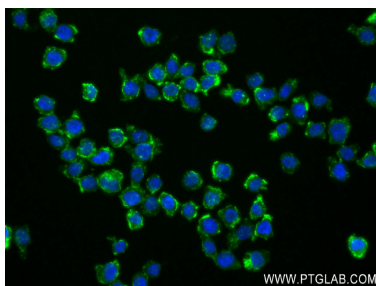
T: 4006900926

E: Proteintech-CN@ptglab.com

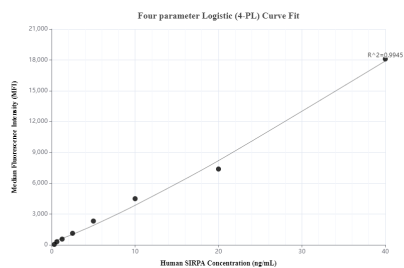
W: ptgcn.com

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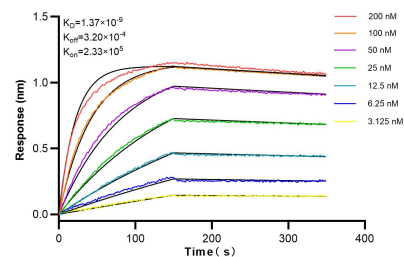
Selected Validation Data



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). This data was developed using the same antibody clone with 83729-3-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP00713-2, SIRP Alpha Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83729-2-PBS. Detection antibody: 83729-3-PBS. Standard: Eg0625. Range: 0.313-40 ng/mL.



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