

Datasheet for ABIN5611267
anti-SIRPA antibody (AA 235-373)

4 Images

1 Publication

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Overview

Quantity:	0.1 mg
Target:	SIRPA
Binding Specificity:	AA 235-373
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC), Neutralization (Neut)

Product Details

Immunogen:	Purified recombinant fragment of human CD172A (AA: extra 235-373) expressed in E. coli.
Clone:	2H7E2
Isotype:	IgG1
Purification:	purified

Target Details

Target:	SIRPA
Alternative Name:	CD172A (SIRPA Products)
Background:	Description: The protein encoded by this gene is a member of the signal-regulatory-protein (SIRP) family, and also belongs to the immunoglobulin superfamily. SIRP family members are receptor-type transmembrane glycoproteins known to be involved in the negative regulation of

Target Details

receptor tyrosine kinase-coupled signaling processes. This protein can be phosphorylated by tyrosine kinases. The phospho-tyrosine residues of this PTP have been shown to recruit SH2 domain containing tyrosine phosphatases (PTP), and serve as substrates of PTPs. This protein was found to participate in signal transduction mediated by various growth factor receptors. CD47 has been demonstrated to be a ligand for this receptor protein. This gene and its product share very high similarity with several other members of the SIRP family. These related genes are located in close proximity to each other on chromosome 20p13. Multiple alternatively spliced transcript variants have been determined for this gene.

Aliases: BIT, MFR, P84, SIRP, MYD-1, SHPS1, SIRPA, PTPNS1

Molecular Weight:	55 kDa
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Gene ID:	140885
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HGNC:	140885
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Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: N/A, FCM: 1:200 - 1:400, IHC: N/A
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Buffer:	Purified antibody in PBS with 0.05 % sodium azide
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Preservative:	Sodium azide
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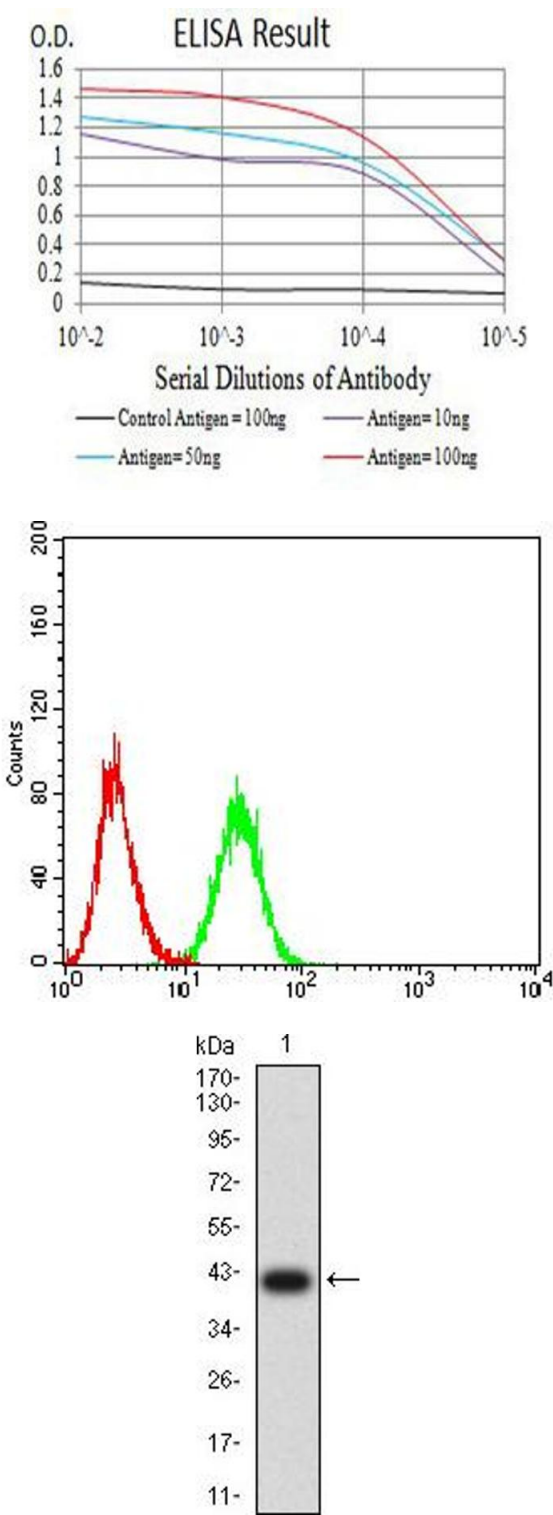
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C/-20 °C
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Storage Comment:	4°C, -20°C for long term storage
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Publications

Product cited in:	Deuse, Hu, Agbor-Enoh, Jang, Alawi, Saygi, Gravina, Tediashvili, Nguyen, Liu, Valantine, Lanier, Schrepfer: "The SIRPa-CD47 immune checkpoint in NK cells." in: The Journal of experimental medicine , Vol. 218, Issue 3, (2021) (PubMed).
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ELISA

Image 1. Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)

Flow Cytometry

Image 2. Flow cytometric analysis of Ramos cells using CD172A mouse mAb (green) and negative control (red).

Western Blotting

Image 3. Western blot analysis using CD172A mAb against human CD172A (AA: extra 235-373) recombinant protein. (Expected MW is 41.5 kDa)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN5611267.