

Datasheet: MCA5404Z

BATCH NUMBER 170320

Description:	MOUSE ANTI HUMAN CD172a:Preservative Free
Specificity:	CD172a
Other names:	SIRP ALPHA
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	4C7
Isotype:	IgG2a
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			0.1 - 10 ug/ml
Immunofluorescence	▪			0.1 - 10 ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Species Cross Reactivity	<p>Reacts with: Mouse</p> <p>N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Buffer Solution	Phosphate buffered saline
Preservative	None present

Stabilisers

Approx. Protein Concentrations

Ig concentration 0.5 mg/ml

Immunogen

Recombinant protein corresponding to aa 28-508 of human CD172a.

External Database Links

UniProt:

[P78324](#)

[Related reagents](#)

Entrez Gene:

[140885](#)

SIRPA

[Related reagents](#)

Synonyms

BIT, MFR, MYD1, PTPNS1, SHPS1, SIRP

RRID

AB_2270317

Fusion Partners

Spleen cells from BALB/c mice were fused with cells from the Sp2/0 myeloma cell line.

Specificity

Mouse anti Human CD172 antibody, clone 4C7 recognizes human Tyrosine-protein phosphatase non-receptor type substrate 1, also known as Brain Ig-like molecule with tyrosine-based activation motifs, CD172 antigen-like family member A, Inhibitory receptor SHPS-1, Macrophage fusion receptor, MyD-1 antigen, Signal-regulatory protein alpha-1, Signal-regulatory protein alpha-2, Signal-regulatory protein alpha-3, p84 or CD172a. CD172a is a 474 amino acid, with an additional 30 amino acid signal peptide ~48 kDa single pass type 1 transmembrane glycoprotein and cell surface receptor for CD47.

Three isoforms of CD172a produced by alternative splicing have been described. Mouse anti Human CD172 antibody, clone 4C7 binds the canonical isoform 1. Binding to other isoforms has not been established ([UniProt : P78324](#)).

Storage

Store at -20°C only.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10162 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA5404Z>
10162

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M368199:200529'

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