

Datasheet: MCA1207

Description:	MOUSE ANTI HUMAN CD93
Specificity:	CD93
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	X-2
Isotype:	IgG1
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
Flow Cytometry	▪			10ug/ml
Immunohistology - Frozen	▪			1/100
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting			▪	

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - lyophilised
Reconstitution	Reconstitute with 0.5 ml distilled water
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative	1% Bovine Serum Albumin
Stabilisers	0.01% Thiomersal
Approx. Protein Concentrations	IgG concentration 0.2 mg/ml
External Database Links	UniProt: Q9NPY3 Related reagents

Entrez Gene:[22918](#) CD93 [Related reagents](#)

Synonyms C1QR1, MXRA4

RRID AB_2076047

Specificity **Mouse anti Human CD93 antibody, clone X-2** recognizes human Complement component C1q receptor, also known as CD93, C1q/MBL/SPA receptor, C1qR or Complement component 1 q subcomponent receptor 1. CD93 is a 652 amino acid ~126 kDa single pass type 1 transmembrane glycoprotein containing a single [C-type lectin](#) domain and multiple [EGF-like](#) domains. CD93 is expressed on granulocytes, monocytes and endothelial cells, but is not expressed on tissue macrophages ([Nepomuceno and Tenner 1998](#)).

Culture of monocytes in the presence of IL-4 and GM-CSF to produce immature dendritic cells express surface CD93 but maturation in the presence of LPS or ionomycin leads to down regulation of the CD93 antigen expression ([Steinberger et al. 2002](#)).

Flow Cytometry Use 10ul of the suggested working dilution to label 10⁶ cells in 100ul.

References

1. McGreal, E.P. *et al.* (2002) Human C1qRp is identical with CD93 and the mNI-11 antigen but does not bind C1q. [J Immunol. 168 \(10\): 5222-32.](#)
2. Steinberger, P. *et al.* (2002) Identification of human CD93 as the phagocytic C1q receptor (C1qRp) by expression cloning. [J Leukoc Biol. 71: 133-40.](#)

Storage Prior to reconstitution store at +4°C. Following reconstitution store at +4°C or at -20°C if preferred. 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 reconstitution.

Health And Safety Information Material Safety Datasheet documentation #10095 available at: 10095: <https://www.bio-rad-antibodies.com/uploads/MSDS/10095.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
Goat Anti Mouse IgG (STAR77...) [HRP](#)
Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
Rabbit Anti Mouse IgG (STAR8...) [DyLight®800](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Goat Anti Mouse IgG (STAR76...) [RPE](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®680](#),
[DyLight®800](#), [FITC](#), [HRP](#)

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

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