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 Stabilisers

1% Bovine Serum Albumin
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
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 andTenner 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 10^6 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 +4ºC. Following reconstitution store at +4ºC or at -20ºC 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.
Shelf Life	12 months from date of reconstitution.
Health And Safety Information	Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10095 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10095.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos., HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos., DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800, FITC, HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC, HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC

Rabbit Anti Mouse IgG (STAR13...)	HRP
Human Anti Mouse IgG1 (HCA036...)	HRP

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

North & South America
Tel: +1 800 265 7376
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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