

Datasheet: MCA1763XZ

Description:	MOUSE ANTI MOUSE NC1.1:Preservative Free
Specificity:	NC1.1 (NATURAL CYTOTOXIC CELLS)
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	IC4
Isotype:	IgG1
Quantity:	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	▪			1/20 - 1/40
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting	▪			
Functional Assays	▪			

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	Mouse
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Carrier Free	Yes

Approx. Protein Concentrations	Isotype concentration 1.0 mg/ml
Immunogen	Spleen cells from CBA mice
RRID	AB_322534
Fusion Partners	Spleen cells from immunized CE mice were fused with cells of the mouse NS-I myeloma cell line.
Specificity	<p>Mouse anti Mouse NC1.1 antibody, clone IC4 recognizes an alloantigen designated NC1.1 expressed by murine natural cytotoxic cells. (NC1.1 is a 45kDa cell surface antigen).</p> <p>Natural cytotoxic cells represent a small subset of cells with cytotoxic activity against certain tumor cells in functional assays. Mouse anti Mouse NC1.1 antibody, clone IC4 has been shown to block substantially NC cells activity <i>in vivo</i> and <i>in vitro</i>.</p> <p>Mouse anti Mouse NC1.1 antibody, clone IC4 recognizes the NC1.1 alloantigen in CBA, C57BL/6, BALB/c and NZB mice, but not in CE or DBA/2 mice.</p>
References	<ol style="list-style-type: none"> 1. Smart, Y.C. <i>et al.</i> (1990) Production of a monoclonal allo-antibody to murine natural cytotoxic cells. Immunol Cell Biol. 68 (Pt 4): 277-84. 2. Smart, Y.C. <i>et al.</i> (1990) Natural cytotoxic cells and tumour surveillance <i>in vivo</i>. Eur J Cancer. 26 (8): 863-4. 3. Smart, Y.C. <i>et al.</i> (1992) Correlation of growth of tumours in NC-cell-depleted mice with NC- and NK-cell-mediated lysis <i>in vitro</i>. Int J Cancer. 50 (5): 817-21. 4. Brien, J.H. <i>et al.</i> (1994) Phenotype and morphology of murine NC-1.1+ natural cytotoxic cells. Immunol Cell Biol. 72 (2): 161-8. 5. Holmgreen, S.P. <i>et al.</i> (1997) Phosphorylation of the NC-1.1 receptor and regulation of natural cytotoxicity by protein kinase C and cyclic GMP-dependent protein kinase. J Immunol. 158 (5): 2035-41.
Storage	<p>Store at -20°C only.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10162 available at: 10162: https://www.bio-rad-antibodies.com/uploads/MSDS/10162.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

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