

Datasheet: MCA2408EL

Description:	MOUSE ANTI HUMAN CD178:Low Endotoxin
Specificity:	CD178
Other names:	FAS LIGAND
Format:	Low Endotoxin
Product Type:	Monoclonal Antibody
Clone:	10F2
Isotype:	IgG1
Quantity:	0.5 mg

Product Details

RRID AB_566575

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	▪			1/25 - 1/50
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	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Carrier Free	Yes
Endotoxin Level	< 0.01 EU/ug

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
External Database Links	<p>UniProt: P48023 Related reagents</p> <p>Entrez Gene: 356 FASLG Related reagents</p>
Synonyms	APT1LG1, CD95L, FASL, TNFSF6
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the P3U1 myeloma cell line.
Specificity	<p>Mouse anti Human CD178 antibody, clone 10F2 recognizes the human CD178 cell surface antigen, a ~40 kDa glycoprotein also known as Fas ligand (CD95L).</p> <p>CD178 is a member of the TNF family, which is expressed by activated T lymphocytes and NK cells. The protein may exist as either a membrane bound or a cleaved soluble form.</p> <p>CD178 plays an important role in T cell development and cytotoxicity. Binding of CD178 to Fas (CD95) results in the induction of apoptosis.</p> <p>Mouse anti Human CD178 antibody, clone 10F2 is reported to block the activity of Fas ligand (Legembre <i>et al.</i> 2002).</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul.
References	<ol style="list-style-type: none"> Legembre, P. <i>et al.</i> (2002) Potentiation of Fas-mediated apoptosis by an engineered glycosylphosphatidylinositol-linked Fas. Cell Death Differ. 9 (3): 329-39. Ferry-Dumazet, H. <i>et al.</i> (2002) Resveratrol inhibits the growth and induces the apoptosis of both normal and leukemic hematopoietic cells. Carcinogenesis. 23 (8): 1327-33. Thorén, F.B. <i>et al.</i> (2012) Human NK Cells induce neutrophil apoptosis via an NKp46- and Fas-dependent mechanism. J Immunol. 188 (4): 1668-74. Robinet, P. <i>et al.</i> (2014) A polysaccharide virulence factor of a human fungal pathogen induces neutrophil apoptosis via NK cells. J Immunol. 192 (11): 5332-42. Pellegrin, S. <i>et al.</i> (2012) Differential proteomic analysis of human erythroblasts undergoing apoptosis induced by epo-withdrawal. PLoS One. 7 (6): e38356. Morello, A. <i>et al.</i> (2013) Enhancing production and cytotoxic activity of polymeric soluble FasL-based chimeric proteins by concomitant expression of soluble FasL. PLoS One. 8 (8): e73375. Pugholm, L, H. <i>et al.</i> (2016) Phenotyping of Leukocytes and Leukocyte-Derived Extracellular Vesicles J Immunol Res. 2016: 1-12.
Storage	<p>Store at -20°C only.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
Guarantee	18 months from date of despatch.
Health And Safety	Material Safety Datasheet documentation #10162 available at:

Information10162: <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](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:Low Endotoxin \(MCA928EL\)](#)

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