

## Datasheet: MCA2408

<b>Description:</b>	MOUSE ANTI HUMAN CD178
<b>Specificity:</b>	CD178
<b>Other names:</b>	FAS LIGAND
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	10F2
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.2 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](http://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		▪		

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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% sodium Azide
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P48023</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b>

<b>Synonyms</b>	APT1LG1, CD95L, FASL, TNFSF6
<b>Fusion Partners</b>	Spleen cells from immunised BALB/c mice were fused with cells of the P3U1 myeloma cell line.
<b>Specificity</b>	<p><b>Mouse anti Human CD178 antibody, clone 10F2</b> 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>Clone 10F2 is reported to block the activity of Fas ligand (<a href="#">Legembre et al. 2002</a>).</p>
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label $1 \times 10^6$ cells in 100ul.
<b>References</b>	<ol style="list-style-type: none"><li>Legembre, P. <i>et al.</i> (2002) Potentiation of Fas-mediated apoptosis by an engineered glycosylphosphatidylinositol-linked Fas. <a href="#">Cell Death Differ. 9 (3): 329-39.</a></li><li>Ferry-Dumazet, H. <i>et al.</i> (2002) Resveratrol inhibits the growth and induces the apoptosis of both normal and leukemic hematopoietic cells. <a href="#">Carcinogenesis. 23 (8): 1327-33.</a></li><li>Thorén, F.B. <i>et al.</i> (2012) Human NK Cells induce neutrophil apoptosis via an NKp46- and Fas-dependent mechanism. <a href="#">J Immunol. 188 (4): 1668-74.</a></li><li>Robinet, P. <i>et al.</i> (2014) A polysaccharide virulence factor of a human fungal pathogen induces neutrophil apoptosis via NK cells. <a href="#">J Immunol. 192 (11): 5332-42.</a></li><li>Pellegrin, S. <i>et al.</i> (2012) Differential proteomic analysis of human erythroblasts undergoing apoptosis induced by epo-withdrawal. <a href="#">PLoS One. 7 (6): e38356.</a></li><li>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. <a href="#">PLoS One. 8 (8): e73375.</a></li><li>Pugholm, L, H. <i>et al.</i> (2016) Phenotyping of Leukocytes and Leukocyte-Derived Extracellular Vesicles <a href="#">J. Immunol Res. 2016: 1-12.</a></li></ol>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</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>
<b>Shelf Life</b>	18 months from date of despatch.
<b>Health And Safety Information</b>	Material Safety Datasheet Documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...) [HRP](#)  
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)  
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR8...) [DyLight@800](#)  
Goat Anti Mouse IgG (STAR76...) [RPE](#)  
Rabbit Anti Mouse IgG (STAR12...) [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](#)  
Human Anti Mouse IgG1 (HCA036...) [HRP](#)  
Goat Anti Mouse IgG (STAR70...) [FITC](#)

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