

## Datasheet: MCA2896GA

<b>Description:</b>	HAMSTER ANTI MOUSE CD178
<b>Specificity:</b>	CD178
<b>Other names:</b>	FAS LIGAND
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	MFL4
<b>Isotype:</b>	IgG
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			1/25 - 1/200

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

### Target Species

Mouse

### Species Cross Reactivity

Reacts with: Rat

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### 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

0.09% Sodium Azide (NaN<sub>3</sub>)

Carrier Free	Yes
Approx. Protein Concentrations	Total protein concentration 1.0mg/ml
Immunogen	B6 mouse FasL/BHK cells
External Database Links	<p><b>UniProt:</b>  <a href="#">P41047</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">14103</a>    Fasl    <a href="#">Related reagents</a></p>
Synonyms	Apt1lg1, Cd95l, Fasl, gld, Tnfsf6
RRID	AB_1658058
Specificity	<p><b>Hamster anti Mouse CD178 antibody, clone MFL4</b> recognizes both mouse and rat CD178, otherwise known as Fas Ligand/ CD95L, a 40 kDa type II transmembrane glycoprotein and member of the TNF/NGF superfamily, expressed by activated T cells and NK cells, which can be induced on a variety of cells by radiation, heat shock, chemotherapeutic agents and viral infection.</p> <p>CD178 acts as a key effector of cytotoxicity and in the regulation of immune responses. The binding of CD178 to its receptor CD95 (Fas), induces Fas-mediated apoptosis of target cells, and may be involved in the induction of peripheral tolerance and neutrophil chemotaxis. The binding of decoy receptor 3 (DcR3) to CD178 has been shown to inhibit CD178-mediated apoptosis.</p> <p>Hamster anti Mouse CD178 antibody, clone MFL4 is reported to block CD178/CD95 induced apoptosis.</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10 <sup>6</sup> cells in 100ul.
References	<ol style="list-style-type: none"> <li>1. Trinité, B. <i>et al.</i> (2000) A subset of cytolytic dendritic cells in rat. <a href="#">J Immunol. 165 (8): 4202-8.</a></li> <li>2. Watanabe, T. <i>et al.</i> (2002) Administration of an antigen at a high dose generates regulatory CD4+ T cells expressing CD95 ligand and secreting IL-4 in the liver. <a href="#">J Immunol. 168 (5): 2188-99.</a></li> <li>3. Kayagaki, N. <i>et al.</i> (1997) Polymorphism of murine Fas ligand that affects the biological activity. <a href="#">Proc Natl Acad Sci U S A. 94 (8): 3914-9.</a></li> </ol>
Storage	<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>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: 10040: <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 Hamster IgG (STAR104...) [DyLight®800](#), [FITC](#)

Goat Anti Hamster IgG (STAR79...) [Biotin](#), [FITC](#), [HRP](#)

### Recommended Negative Controls

[HAMSTER \(ARMENIAN\) IgG NEGATIVE CONTROL \(MCA2356\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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