

## Datasheet: MCA2522A488

<b>Description:</b>	MOUSE ANTI HUMAN CDw328:Alexa Fluor® 488
<b>Specificity:</b>	CDw328
<b>Other names:</b>	SIGLEC-7
<b>Format:</b>	ALEXA FLUOR® 488
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	5-386
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	100 TESTS/1ml

## 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	■			Neat - 1/10

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.

<b>Target Species</b>	Human		
<b>Product Form</b>	Purified IgG conjugated to Alexa Fluor® 488 - liquid		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	Alexa Fluor®488	495	519
<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</b>	0.09% Sodium Azide (NaN <sub>3</sub> )		
<b>Stabilisers</b>	1% Bovine Serum Albumin		
<b>Approx. Protein Concentrations</b>	IgG concentration 0.05mg/ml		
<b>Immunogen</b>	Monocyte-derived dendritic cells.		
<b>External Database Links</b>	<b>UniProt:</b>		
	<a href="#">Q9Y286</a>	<a href="#">Related reagents</a>	

**Entrez Gene:**[27036](#) [SIGLEC7](#) [Related reagents](#)

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<b>Synonyms</b>	AIRM1
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<b>Fusion Partners</b>	Spleen cells from immunised Balb/c mice were fused with cells of the X63-Ag8.653 myeloma cell line.
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<b>Specificity</b>	<p><b>Mouse anti Human CDw328 antibody, clone 5-386</b> recognizes human CDw328, a type I transmembrane glycoprotein and member of the Siglec (sialic acid binding Ig-like lectin) family, designated Siglec-7, originally identified as an inhibitory NK cell receptor (NKR) and negative regulator of NK activation, attributed to ITIM recruitment of SHP-1 phosphatase.</p> <p>CDw328 is expressed predominantly by natural killer cells (NK) and to a lesser extent by monocytes and granulocytes and, like Siglec-5 (CD170), has been shown to bind to sialylated ligands of targets through recognition of sialic acid in both the alpha-2,3- and alpha-2,6- glycosidic linkage.</p>
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<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 1x10 <sup>6</sup> cells in 100ul.
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<b>Further Reading</b>	<ol style="list-style-type: none"><li>1. Falco, M. <i>et al.</i> (1999) Identification and molecular cloning of p75/AIRM1, a novel member of the sialoadhesin family that functions as an inhibitory receptor in human natural killer cells. <a href="#">J Exp Med. 190 (6): 793-802.</a></li><li>2. Nicoll, G. <i>et al.</i> (1999) Identification and characterization of a novel siglec, siglec-7, expressed by human natural killer cells and monocytes. <a href="#">J Biol Chem. 274 (48): 34089-95.</a></li></ol>
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<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. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
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<b>Shelf Life</b>	18 months from date of despatch.
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10041 available at: 10041: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf</a>
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<b>Regulatory</b>	For research purposes only
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## Related Products

## Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL:Alexa Fluor® 488 (MCA928A488)

## Recommended Useful Reagents

HUMAN SEROBLOCK (BUF070A)

HUMAN SEROBLOCK (BUF070B)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

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