

## Purified anti-mouse IgD (Maxpar<sup>®</sup> Ready) Antibody

<b>Catalog# / Size</b>	405737 / 100 µg
<b>Clone</b>	11-26c.2a
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	Immunoglobulin D
<b>Isotype</b>	Rat IgG2a, κ
<b>Description</b>	Surface IgD is an important B cell differentiation marker.

### Product Details

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<b>Verified Reactivity</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Rat
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and EDTA.
<b>Preparation</b>	The antibody was purified by affinity chromatography.
<b>Concentration</b>	1.0 mg/ml
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C.
<b>Application</b>	<a href="#">FC - Quality tested</a> <a href="#">CyTOF<sup>®</sup> - Verified</a>
<b>Recommended Usage</b>	This product is suitable for use with the <a href="#">Maxpar<sup>®</sup> Metal Labeling Kits</a> . For metal labeling using Maxpar <sup>®</sup> Ready antibodies, proceed directly to the step to Partially Reduce the Antibody by adding 100 µl of Maxpar <sup>®</sup> Ready antibody to 100 µl of 4 mM TCEP-R in a 50 kDa filter and continue with the protocol. Always refer to the latest version of Maxpar <sup>®</sup> User Guide when conjugating Maxpar <sup>®</sup> Ready antibodies.
<b>Application Notes</b>	The 11-26c.2a antibody reacts with immunoglobulin D in all tested mouse haplotypes. The antibody binds membrane IgD expressed on most B cells. The 11-26c.2a antibody neither induces proliferation of splenic B cells nor induces B cell activation. Additional reported applications (for the relevant formats) include: immunohistochemical staining of acetone-fixed frozen sections <sup>2,3</sup> , and spatial biology (IBEX) <sup>10,11</sup> .
<b>Additional Product Notes</b>	Maxpar <sup>®</sup> is a registered trademark of Standard BioTools Inc.
<b>Application References</b>	<ol style="list-style-type: none"><li>1. Nitschke L, <i>et al.</i> 1993. <i>P. Natl. Acad. Sci. USA</i> 90:1887. (FC)</li><li>2. Weih D, <i>et al.</i> 2001. <i>J. Immunol.</i> 167:1909. (IHC)</li><li>3. Koni PA, <i>et al.</i> 2001. <i>J. Exp. Med.</i> 193:741. (IHC)</li><li>4. Ahuja A, <i>et al.</i> 2007. <i>J. Immunol.</i> 179:3351. (FC) <a href="#">PubMed</a></li><li>5. Haynes NM, <i>et al.</i> 2007. <i>J. Immunol.</i> 179:5099. (FC)</li><li>6. Good-Jacobson KL, <i>et al.</i> 2010. <i>Nat. Immunol.</i> 11:535. (FC) <a href="#">PubMed</a></li><li>7. Tomayko MM, <i>et al.</i> 2010. <i>J. Immunol.</i> 185:7146. <a href="#">PubMed</a></li><li>8. Park SY, <i>et al.</i> 2013. <i>J. Immunol.</i> 190:1094. <a href="#">PubMed</a></li><li>9. Rouaud P, <i>et al.</i> 2014. <i>J Exp Med.</i> 211:975. <a href="#">PubMed</a></li><li>10. Radtke AJ, <i>et al.</i> 2020. <i>Proc Natl Acad Sci U S A.</i> 117:33455-65. (SB) <a href="#">PubMed</a></li><li>11. Radtke AJ, <i>et al.</i> 2022. <i>Nat Protoc.</i> 17:378-401. (SB) <a href="#">PubMed</a></li></ol>
<b>Product Citations</b>	<ol style="list-style-type: none"><li>1. Dasgupta D, <i>et al.</i> 2020. <i>Gastroenterology.</i> 159:1487. <a href="#">PubMed</a></li><li>2. Jordan S, <i>et al.</i> 2020. <i>Cell.</i> 178(5):1102-1114.e17.. <a href="#">PubMed</a></li></ol>
<b>RRID</b>	AB_2563774 (BioLegend Cat. No. 405737)

## Antigen Details

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<b>Structure</b>	Ig family
<b>Distribution</b>	B cells
<b>Function</b>	B cell differentiation
<b>Cell Type</b>	B cells
<b>Biology Area</b>	Immunology
<b>Gene ID</b>	<a href="#">380797</a>

## Related Protocols

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[Cell Surface Flow Cytometry Staining Protocol](#)

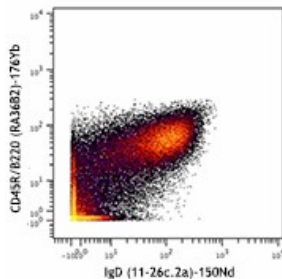
## Other Formats

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FITC anti-mouse IgD, PE anti-mouse IgD, Purified anti-mouse IgD, PerCP anti-mouse IgD, Biotin anti-mouse IgD, Brilliant Violet 711™ anti-mouse IgD, Alexa Fluor® 700 anti-mouse IgD, Alexa Fluor® 647 anti-mouse IgD, PerCP/Cyanine5.5 anti-mouse IgD, Pacific Blue™ anti-mouse IgD, APC anti-mouse IgD, APC/Cyanine7 anti-mouse IgD, Alexa Fluor® 488 anti-mouse IgD, PE/Cyanine7 anti-mouse IgD, Brilliant Violet 650™ anti-mouse IgD, Brilliant Violet 510™ anti-mouse IgD, Brilliant Violet 421™ anti-mouse IgD, Brilliant Violet 605™ anti-mouse IgD, Purified anti-mouse IgD (Maxpar® Ready), Alexa Fluor® 594 anti-mouse IgD, PE/Dazzle™ 594 anti-mouse IgD, APC/Fire™ 750 anti-mouse IgD, TotalSeq™-A0571 anti-mouse IgD, TotalSeq™-C0571 anti-mouse IgD, Spark NIR™ 685 anti-mouse IgD, TotalSeq™-B0571 anti-mouse IgD Antibody, Spark Violet™ 423 anti-mouse IgD, PE/Cyanine5 anti-mouse IgD

## Product Data

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C57BL/6 mouse splenocytes stained with 176Yb-anti-CD45R/B220 (RA36B2) and 150Nd-anti-IgD (11-26c.2a). Lymphocytes are displayed in the analysis. Data provided by DVS Sciences.

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