

## APC anti-human CD24 Antibody

<b>Catalog# / Size</b>	311117 / 25 tests 311118 / 100 tests
<b>Clone</b>	ML5
<b>Workshop</b>	V CD24.5
<b>Other Names</b>	Ly-52, Heat Stable Antigen (HSA), Nectadrin, BA-1
<b>Isotype</b>	Mouse IgG2a, κ
<b>Description</b>	CD24 is a 35-45 kD glycosylphosphatidylinositol (GPI)-linked protein also known as heat stable antigen (HSA), BA-1, Ly-52, and nectadrin. It is expressed on the surface of B cells (but not plasma cells), granulocytes, follicular dendritic cells, and epithelial cells. CD24 may play a role in the regulation of B-cell proliferation and maturation. CD24 crosslinking induces a Ca <sup>2+</sup> flux in mature B cells. CD24 has been shown to interact with CD62P (P-selectin).

### Product Details

<b>Reactivity</b>	Human, <b>Cross-Reactivity:</b> Chimpanzee
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Mouse
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
<b>Preparation</b>	The antibody was purified by affinity chromatography, and conjugated with APC under optimal conditions.
<b>Concentration</b>	Lot-specific (please contact <a href="#">technical support</a> for concentration and total µg amount, or use our <a href="#">Lookup</a> tool if you have a lot number.)
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. <b>Do not freeze.</b>
<b>Application</b>	FC - Quality tested
<b>Recommended Usage</b>	Each lot of this antibody is quality control tested by <a href="#">immunofluorescent staining with flow cytometric analysis</a> . For flow cytometric staining, the suggested use of this reagent is 5 µl per million cells in 100 µl staining volume or 5 µl per 100 µl of whole blood.
<b>Excitation Laser</b>	Red Laser (633 nm)
<b>Application Notes</b>	Additional reported applications (for the relevant formats) include: immunofluorescence microscopy <sup>3</sup> .
<b>Application References</b> (PubMed link indicates BioLegend citation)	<ol style="list-style-type: none"> <li>Schlossman S, et al. Eds. 1995. Leukocyte Typing V: White Cell Differentiation Antigens. Oxford University Press. New York.</li> <li>McMichael A, et al. 1987. Leucocyte Typing III. Oxford University Press. New York.</li> <li>Yang GP, et al. 1999. Nucleic Acids Research 27:1517. (IF)</li> <li>Kristiansen G, et al. 2003. Clin. Cancer Res. 9:4906. (FC)</li> </ol>
<b>Product Citations</b>	<ol style="list-style-type: none"> <li>Parlato M, et al. 2014. J Immunol. 192:2449. PubMed</li> <li>Ono M, et al. 2014. Sci Signal. 7:63. PubMed</li> <li>Ma F, et al. 2014. Cancer Lett. 353:153. PubMed</li> <li>Thiel A, et al. 2015. Sci Rep. 5: 17685. PubMed</li> <li>Hu J, et al. 2017. Cell Death Dis. 10.1038/cddis.2017.72. PubMed</li> <li>Li P, et al. 2017. Oncogenesis. 10.1038/oncsis.2017.24. PubMed</li> <li>Li P, et al. 2018. J Cell Mol Med. 22:3423. PubMed</li> <li>Widowati W, et al. 2018. Acta Inform Med. 26:240. PubMed</li> </ol>
<b>RRID</b>	AB_1877150 (BioLegend Cat. No. 311117) AB_2072735 (BioLegend Cat. No. 311118)

### Antigen Details

<b>Structure</b>	GPI-linked glycoprotein, 35-45 kD
<b>Distribution</b>	B cells, granulocytes, epithelial cells
<b>Function</b>	B cell proliferation and differentiation
<b>Ligand/Receptor</b>	CD62P (P-Selectin)
<b>Cell Type</b>	B cells, Epithelial cells, Granulocytes
<b>Biology Area</b>	Immunology
<b>Molecular Family</b>	CD Molecules
<b>Antigen References</b>	1. Schlossman S, et al. Eds. 1995. Leukocyte Typing V. Oxford University Press. New York.
<b>Gene ID</b>	<a href="#">100133941</a>

## Related Protocols

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[Cell Surface Flow Cytometry Staining Protocol](#)

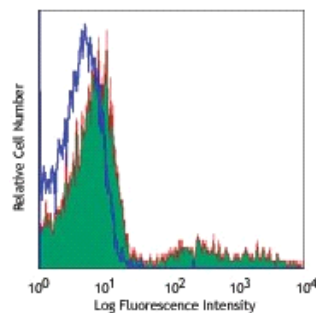
## Other Formats

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FITC anti-human CD24, PE anti-human CD24, Purified anti-human CD24, Alexa Fluor® 488 anti-human CD24, Alexa Fluor® 647 anti-human CD24, PerCP/Cyanine5.5 anti-human CD24, PE/Cyanine7 anti-human CD24, Brilliant Violet 421™ anti-human CD24, Brilliant Violet 605™ anti-human CD24, PerCP anti-human CD24, Brilliant Violet 510™ anti-human CD24, Purified anti-human CD24 (Maxpar® Ready), Biotin anti-human CD24, APC/Cyanine7 anti-human CD24, PE/Dazzle™ 594 anti-human CD24, Brilliant Violet 711™ anti-human CD24, TotalSeq™-A0180 anti-human CD24, APC/Fire™ 750 anti-human CD24, Brilliant Violet 785™ anti-human CD24, TotalSeq™-C0180 anti-human CD24, TotalSeq™-B0180 anti-human CD24

## Product Data

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Human peripheral blood lymphocytes stained with ML-5 APC

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