

PE/Cy7 anti-human CD24 Antibody

Catalog# / Size	311119 / 25 tests 311120 / 100 tests
Clone	ML5 (See other available formats)
Workshop	V CD24.5
Other Names	Ly-52, Heat Stable Antigen (HSA), Nectadrin, BA-1
Isotype	Mouse IgG2a, κ
Description	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 ²⁺ flux in mature B cells. CD24 has been shown to interact with CD62P (P-selectin).

Product Details

Reactivity	Human, Cross-Reactivity: Chimpanzee
Antibody Type	Monoclonal
Host Species	Mouse
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Preparation	The antibody was purified by affinity chromatography, and conjugated with PE/Cy7 under optimal conditions. The solution is free of unconjugated PE/Cy7 and unconjugated antibody.
Concentration	Lot-specific (please contact technical support for concentration and total µg amount, or use our Lookup tool if you have a lot number.)
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis . 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.
Excitation Laser	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
Application Notes	Additional reported applications (for the relevant formats) include: immunofluorescence microscopy ³ .
Application References (PubMed link indicates BioLegend citation)	<ol style="list-style-type: none"> Schlossman S, et al. Eds. 1995. Leukocyte Typing V:White Cell Differentiation Antigens. Oxford University Press. New York. McMichael A, et al. 1987. Leucocyte Typing III. Oxford University Press. New York. Yang GP, et al. 1999. Nucleic Acids Research 27:1517. (IF) Kristiansen G, et al. 2003. Clin. Cancer Res. 9:4906. (FC)
Product Citations	<ol style="list-style-type: none"> Ordenez M, et al. 2012. Hum Mol Genet. 2.715972222. PubMed Hamilton K, et al. 2013. Carcinogenesis. 34:2647. PubMed Ames E, et al. 2015. J Immunol. 195: 4010 - 4019. PubMed Bagnara D, et al. 2015. J Immunol. 195: 3716 - 3724. PubMed Mohiuddin M, et al. 2016. Nat Commun. 7: 11138. PubMed Joosten S, et al. 2016. PLoS Pathog. 12: 1005687. PubMed Deshmukh A, et al. 2017. Sci Rep. 7:2256. PubMed
RRID	AB_2072734 (BioLegend Cat. No. 311119) AB_2259843 (BioLegend Cat. No. 311120)

Antigen Details

Structure	GPI-linked glycoprotein, 35-45 kD
Distribution	B cells, granulocytes, epithelial cells
Function	B cell proliferation and differentiation
Ligand Receptor	CD62P (P-Selectin)
Antigen References	1. Schlossman S, et al. Eds. 1995. Leukocyte Typing V. Oxford University Press. New York.
Gene ID	100133941

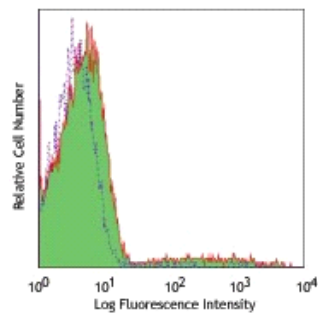
Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

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, APC 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/Cy7 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

Product Data



Human peripheral blood lymphocytes stained with ML-5 PE/Cy7

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