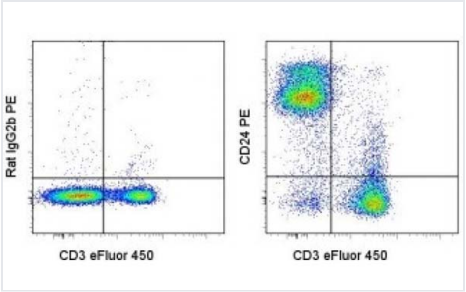
CD24 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CD24, Monoclonal Antibody
Full Product Name	CD24 antibody (PE)
Product Gene Name	anti-CD24 antibody
Product Synonym Names	Mouse monoclonal CD24 antibody (PE); Monoclonal CD24 antibody; Anti-CD24 antibody; CD 24 antibody; CD 24; CD24; BA-1 antibody; CD-24; CD-24 antibody; HAS antibody; Heat Stable Antigen antibody
Clonality	Monoclonal
Isotype	IgG1
Clone Number	SN3
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied in aqueous buffer with 0.09% sodium azide, may contain carrier protein/stabilizer.
Concentration	200 ug/ml (lot specific)
Specificity	Human
Preparation and Storage	Store at 2-8 degree C. Do not freeze. Protect from light.
Molecular Weight	12,968 Da
OMIM	126200
Conjugate	PE
Product Categories/Family for anti-CD24 antibody	Immunology
Applications Tested/Suitable for anti-CD24 antibody	Flow Cytometry (FC/FACS)
Application Notes for anti-CD24 antibody	FC/FACS: = 0.125 ug/test A test is defined as the amount (ug) of antibody that will stain a cell sample in a final volume of 100 ul. Cell number should be determined empirically but can range from 105 to 108 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.
Related Product Information for anti-CD24 antibody	The SN3 monoclonal antibody reacts with the human CD24 molecule, also known as Heat Stable Antigen. This 35-50 kDa molecule is anchored in the plasma membrane via phosphatidylinositol and is expressed by erythrocytes, thymocytes, peripheral lymphocytes and myeloid lineage. It has been reported that P-selectin binds to CD24.
Other Notes	Small volumes of anti-CD24 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CD24 purchase	MBS5309356 is an antibody targeting CD24. Also known as CD24 antibody (PE). Reactive in Human. Host: Mouse.



Flow Cytometry (FC/FACS) of anti-CD24 antibody
Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control (PE) (blue histogram) or CD24 antibody (PE) (pruple histogram). Cells in the granulocyte gate were used for analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD24. It may not necessarily be applicable to this product.

NCBI GI #	209405388
NCBI GeneID	100133941
NCBI Accession #	ACI46150.1
UniProt Secondary Accession #	Q16257; Q53XS0; A0A087WYI6; B6EC88; R4I4T5
UniProt Related Accession #	P25063
NCBI Official Full Name	CD24
NCBI Official Synonym Full Names	CD24 molecule
NCBI Official Symbol	CD24
NCBI Official Synonym Symbols	CD24A
UniProt Protein Name	Signal transducer CD24
UniProt Synonym Protein Names	Small cell lung carcinoma cluster 4 antigen; CD_antigen: CD24
Protein Family	Signal transducer
UniProt Gene Name	CD24
UniProt Synonym Gene Names	CD24A
NCBI Protein Information	signal transducer CD24
NCBI Summary for CD24	This gene encodes a sialoglycoprotein that is expressed on mature granulocytes and B cells and modulates growth and differentiation signals to these cells. The precursor protein is cleaved to a short 32 amino acid mature peptide which is anchored via a glycosyl phosphatidylinositol (GPI) link to the cell surface. This gene was missing from previous genome assemblies, but is properly located on chromosome 6. Non-transcribed pseudogenes have been designated on chromosomes 1, 15, 20, and Y. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2014]
UniProt Comments for CD24	May have a pivotal role in cell differentiation of different cell types. Signaling could be triggered by the binding of a lectin-like ligand to the CD24 carbohydrates, and transduced by the release of second messengers derived from the GPI-anchor. Modulates B-cell activation responses. Promotes AG-dependent proliferation of B-cells, and prevents their terminal differentiation into antibody-forming cells (PubMed:11313396). In association with SIGLEC10 may be involved in the selective suppression of the immune response to danger-associated molecular patterns (DAMPs) such as HMGB1, HSP70 and HSP90. Plays a role in the control of autoimmunity ().
Research Articles on CD24	**1.** CD24, a cell surface receptor enriched in both juvenile chondrocytes and human induced pluripotent stem cells-derived chondrocytes, is a regulatory factor in both faster proliferation and resistance to proinflammatory cues in these chondrocyte populations.

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