

Product datasheet

Anti-CD24 antibody [SN3], prediluted (Phycoerythrin)
ab30351

2 References 1 Image

Overview

Product name	Anti-CD24 antibody [SN3], prediluted (Phycoerythrin)
Description	Mouse monoclonal [SN3] to CD24, prediluted (Phycoerythrin)
Conjugation	Phycoerythrin. Ex: 488nm, Em: 575nm
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Glycoproteins purified from human NALM-1 cell line

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Preservative: 0.09% Sodium Azide Constituents: 1% BSA, PBS, pH 7.4
Purity	Protein G purified
Clonality	Monoclonal
Clone number	SN3
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab30351** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

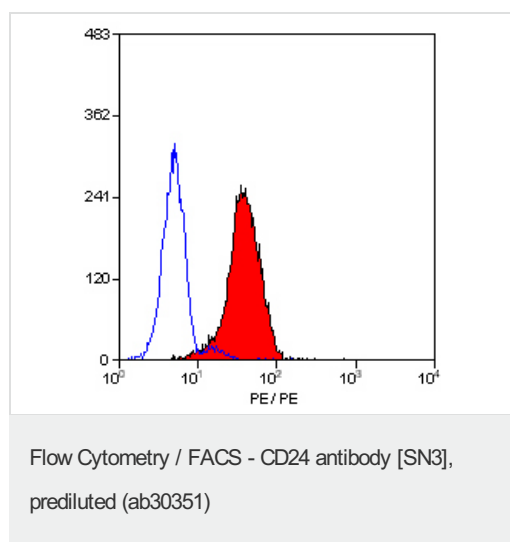
Application	Abreviews	Notes
Flow Cyt		Use 10µl for 10 ⁶ cells. (or 100µl of whole blood).

[ab91357](#)-Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Target

Function	Modulates B-cell activation responses. 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. Promotes AG-dependent proliferation of B-cells, and prevents their terminal differentiation into antibody-forming cells.
Tissue specificity	B-cells. Expressed in a number of B-cell lines including P32/SH and Namalwa. Expressed in erythroleukemia cell and small cell lung carcinoma cell lines. Also expressed on the surface of T-cells.
Involvement in disease	Genetic variations in CD24 are associated with susceptibility to multiple sclerosis (MS) [MIM:126200]. A multifactorial, inflammatory, demyelinating disease of the central nervous system. Sclerotic lesions are characterized by perivascular infiltration of monocytes and lymphocytes and appear as indurated areas in pathologic specimens (sclerosis in plaques). The pathological mechanism is regarded as an autoimmune attack of the myelin sheath, mediated by both cellular and humoral immunity. Clinical manifestations include visual loss, extra-ocular movement disorders, paresthesias, loss of sensation, weakness, dysarthria, spasticity, ataxia and bladder dysfunction. Genetic and environmental factors influence susceptibility to the disease. Note=Polymorphisms in CD24 may act as a genetic modifier for susceptibility and progression of MS in some populations, perhaps by affecting the efficiency of CD24 expression on the cell surface.
Sequence similarities	Belongs to the CD24 family.
Post-translational modifications	Extensively O-glycosylated.
Cellular localization	Cell membrane.

Images



Staining of human peripheral blood granulocytes with NS3 mouse monoclonal phycoerythrin conjugated anti-human CD24 (ab30351)

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