Product datasheet

PE Anti-CD24 antibody [SN3], prediluted ab30351

Overview

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

General notes

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Store at +4°C.
Storage buffer: pH: 7.40
Preservative: 0.09% Sodium azide
Constituents: PBS, 1% BSA
Purity: Protein G purified
Clonality: Monoclonal
Clone number: SN3
Isotype: IgG1

Applications

The Abpromise guarantee: Our Abpromise guarantee covers the use of ab30351 in the following tested applications.
**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 sheat, 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.

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**Application**

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<tr>
<td>Flow Cyt</td>
<td>Use 10µl for 10⁶ cells. (or 100µl of whole blood).</td>
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**Target**

*Function*

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Flow Cytometry - PE Anti-CD24 antibody [SN3], prediluted (ab30351)

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

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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