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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-CD24 [M1/69] Standard Size Ab03742-2.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted mouse IgG2a Fc Silent™ antibody, based on the original mouse IgG2b format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse IgG2a, [Fc Silent™](#), Kappa

Clone Number: M1/69

Alternative Name(s) of Target: Heat stable antigen; Signal transducer CD24; Lymphocyte antigen 52; Ly-52; M1/69-J11D heat stable antigen; HSA; Nectadrin; R13-Ag; X62 heat stable antigen

UniProt Accession Number of Target Protein: P24807

Published Application(s): WB, FC, IF, IHC

Published Species Reactivity: Mouse

Immunogen: The original antibody was generated by immunizing DA rats with B10 mouse splenic T cells and concanavalin A-activated splenocytes.

Specificity: This antibody binds mouse CD24 also known as Heat Stable Antigen (HSA), Ly-52, or Nectadrin. It is a variably glycosylated GPI-anchored membrane protein expressed on the surface lymphocytes, granulocytes, epithelial cells, thymocytes, monocytes, erythrocytes, and dendritic cells. This protein plays an important role in differentiation of different cell types and its expression varies during lymphocyte differentiation which makes it a good marker for delineating various lymphocyte developmental stages. It is also expressed in erythroleukemia, small cell lung carcinoma and multiple sclerosis.

Application Notes: This antibody was capable of recognizing CD24 antigen from microsomal membrane preparation of different mouse cells through western blot (PMID: 1696896). This antibody is recommended for immunophenotypic analysis of CD24 expressed on mouse B and T cells using flow cytometry (PMID: 17702899; 20133615; 20203098; 33111080). This antibody (dilution 1:100) was also used in the immunohistochemical analysis of CD24 expression in mouse thyroid cells using 5-µm zinc-fixed, paraffin-embedded thyroid sections (PMID: 18801910). This antibody was also reported to be used in the flow cytometric and immunohistochemical analysis of murine CD24 expressed on the surface of normal human breast epithelial cells early after their infection with a retroviral vector (PMID: 9232274). This antibody was also used in the immunofluorescence staining of murine spinal cord sections (PMID: 17475850).

Antibody First Published in: Springer et al. Monoclonal xenogeneic antibodies to murine cell surface antigens: identification of novel leukocyte differentiation antigens. Eur J Immunol. 1978 Aug;8(8):539-51.

[PMID:81133](#)

Note on publication: Describes the generation and characterization of different antibodies against mouse cell surface antigens.

Product Form

Size: 100 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.