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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-CD53 [OX-44] Standard Size Ab00585-8.4

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

This chimeric rat antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Rat IgG2b, Fc Silent™, Kappa

Clone Number: OX-44

Alternative Name(s) of Target: Leukocyte surface antigen CD53; Cell surface glycoprotein CD53; Leukocyte antigen MRC OX-44

UniProt Accession Number of Target Protein: P24485

Published Application(s): IHC-P, IP, FC, IHC-Fr

Published Species Reactivity: Rat

Immunogen: This antibody was prepared by immunizing BALB/c mice with T lymphoblasts from an MLR between purified rat T helper cells and irradiated semiallogeneic rat spleen.

Specificity: This antibody recognises CD53, which is expressed on peripheral T-cells, single (CD4 or CD8) positive thymocytes, B-cells, monocytes, macrophages, neutrophils, dendritic cells and microglial cells. This antibody recognises a conformational epitope that is dependent on disulphide bonding.

Application Notes: This antibody binds rat CD53, and consequently labels all myeloid cells and peripheral lymphoid cells, but only 12% of thymocytes (Paterson, 1987). Functional studies indicate that this subset of OX-44+ thymic cells includes all thymocytes that are on the pathway to immunocompetent T lymphocytes. By contrast, the OX-44- compartment represents cells that are negative for proliferation and thymopoiesic activity, and are fated to die in situ. In addition, this antibody has been used in conjunction with CD4 and CD8 antigens to define seven subsets of thymic cell. Most CD4-CD8- cells are OX-44+, whereas almost all CD4+ CD8+ cells were OX-44-

Antibody First Published in: Paterson et al. The MRC OX-44 antigen marks a functionally relevant subset among rat thymocytes. *J Exp Med.* 1987 Jan 1;165(1):1-13. [PMID:3098892](#)

Note on publication:

Product Form

Size:

200 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.