



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-CD53 [OX-44] Standard Size Ab00585-8.1

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, 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.