



# 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-CD4 [OX-68] Standard Size Ab00587-8.4

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 IgG2a format, for improved compatibility with existing reagents, assays and techniques.

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

**Clone Number:** OX-68

**Alternative Name(s) of Target:** T-cell surface glycoprotein CD4; T-cell surface antigen T4/Leu-3; W3/25 antigen

**UniProt Accession Number of Target Protein:** P05540

**Published Application(s):** binding assay, IP, SPR, WB, FC

**Published Species Reactivity:** Rat

**Immunogen:** This antibody was prepared by subcutaneously injecting BALB/c mice with a soluble form of rat CD4, consisting of domains 3 and 4. A boost of a mixture of free sCD4 and sCD4 bound to cells was administered intravenously.

**Specificity:** This antibody is reactive with rat CD4 domain 3 & 4, and is partly competitive with OX-67 & 69.

**Application Notes:** This antibody binds to rat CD4. Upon challenge with HIV-1, this antibody was able to significantly inhibit viral entry into HeLa cells expressing a mutant of rat CD4 that binds gp120 (Simon, 1997). Similarly, pre-binding of gp120 resulted in a 50% reduction in binding of this antibody, indicating epitope masking. Analogous effects on viral entry and syncytium formation are observed with MAbs against human CD4.

**Antibody First Published in:** Simon et al. Role of CD4 epitopes outside the gp120-binding site during entry of human immunodeficiency virus type 1. J Virol. 1997 Feb;71(2):1476-84. [PMID:8995673](#)

**Note on publication:** Describes the original use of this antibody to elucidate the role of CD4 epitopes outside the gp120-binding site during HIV-1 entry.

## 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.