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Produktinformation



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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-CD4 [OX-68] Standard Size Ab00587-2.3

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

Isotype and Format: Mouse IgG2a, [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.