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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-CD48 [OX-45] Standard Size Ab00571-8.4

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-45

Alternative Name(s) of Target: BCM1; BCM1 surface antigen; BLAST1; BLAST-1; HM48-1; MRC OX-45 surface antigen; MRC OX45 surface antigen; OX45 surface antigen; OX-45 surface antigen; SLAM family member 2; SLAMF2; sgp60; sgp-60; signalling lymphocytic activation molecule 2 OX45; MRC OX-4

UniProt Accession Number of Target Protein: P10252

Published Application(s): Blocking, FC

Published Species Reactivity: Rat

Immunogen: OX-45 was prepared by immunizing BALB/c mice with rat T blasts prepared by stimulating purified T helper (TH) cells with allogeneic irradiated rat spleen cells.

Specificity: OX-45 binds specifically to CD48 on rat thymocytes, T and B cells and endothelium but not LFA.3. Directly competes with CD46 for binding the target epitope. CD48 is a CD2 ligand and is expressed on the surface of all hematopoietic cells and endothelium. May be involved in the facilitation of interactions between activated lymphocytes. Likely to be involved in T cell activation.

Application Notes: Describes the use of OX-45 in blocking the primary mixed lymphocyte response (MLR) and the secondary response of T lymphocytes to the soluble antigen DNP-BGG. It also showed that OX-45 did not have any effect on the cytotoxic activity of specific (CTL) or non-specific (NK) killer cells or on proliferative responses stimulated by lectins or oxidative mitogenesis.

Antibody First Published in: Arvieux et al. Monoclonal antibodies against a rat leucocyte antigen block antigen-induced T-cell responses via an effect on accessory cells. Immunology 58:337 1986 [PMID:2942461](#)

Note on publication: Monoclonal antibodies against a rat leucocyte antigen block antigen-induced T-cell responses via an effect on accessory cells.

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.