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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-CD86 [OX-48] Standard Size Ab00569-8.1

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-48

Alternative Name(s) of Target: B72; B-72; OX48; MRC OX-48; MRC OX48

UniProt Accession Number of Target Protein: Q62810

Published Application(s): FC, IF

Published Species Reactivity: Rat

Immunogen: OX-48 was prepared by immunizing mice with activated rat T cell blasts

Specificity: OX-48 binds specifically to CD86 targets which are present on subsets of T and B blasts, spleen macrophages and polymorphs, peritoneal macrophages, dendritic cells. OX48 does not appear to bind the same epitope of CD86 as 24F (Stephens et al. 2004). CD86 is expressed at high levels on resting peripheral monocytes and dendritic cells and at very low density on resting B and T lymphocytes - expression is rapidly upregulated by B cell specific stimuli. CD86 acts as a ligand for CD28 and CTLA-4. CD86 works in tandem with CD80 to prime T cells. 2 splice isoforms exist.

Application Notes: OX-48 blocks IL-2 production and proliferation of T cells (except when in exponential phase) (Samoza et al. 1990). The antibody can also be used for FC (Stephens et al. 2004), FACS and IPs. Ox-48 has been shown to be able to block binding of CD86 with its ligand CD28.

Antibody First Published in: Hassan et al. CD6 Regulates T-Cell Responses through Activation-Dependent Recruitment of the Positive Regulator SLP-76 MOLECULAR AND CELLULAR BIOLOGY, Sept. 2006, p. 6727-6738 [PMID:16914752](#)

Note on publication: Describes the original use of this antibody to detect mouse CD6 as part of an investigation into the role of CD6.

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.