

Mouse CD252 (OX40L) Antibody

Purified *in vivo* GOLD™ Functional Grade

Monoclonal Antibody

Product Information

Product No.: C2336

Clone: RM134L

RRID: AB_2737465

Isotype: Rat IgG2b κ

Storage: Sterile 2-8°C

Product Description

Specificity:

Clone RM134L recognizes an epitope on mouse CD252.

Antigen Distribution:

CD252 is expressed on activated B cells and antigen presenting cells.

Background:

CD252 is a 35 kD member of the TNF superfamily and is the ligand for OX-40, which is primarily found on activated T cells. The CD252/OX-40 pair contributes to B-cell and T-cell interaction during the immune response. Both proliferative and IL-2 production responses of activated T cells are enhanced via OX-40 antigen stimulation, while proliferation and Ig secretion by activated B cells is enhanced via CD252 stimulation. Hence, because both T cells and B cells are activated in cross-linking, the CD252/OX-40 pair is considered reciprocally costimulatory.

Known Reactivity Species:

Mouse

Format:

Purified *in vivo* GOLD™ Functional Grade

Immunogen:

Rat NRK-52E cell line transfected with mouse OX-40L gene

Formulation

This monoclonal antibody is aseptically packaged and formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.2 - 7.4 with no carrier protein, potassium, calcium or preservatives added. Due to inherent biochemical properties of antibodies, certain products may be prone to precipitation over time. Precipitation may be removed by aseptic centrifugation and/or filtration.

Purity

≥95% monomer by analytical SEC, >95% by SDS Page

Endotoxin

< 1.0 EU/mg as determined by the LAL method

Storage and Stability

Functional grade preclinical antibodies may be stored sterile as received at 2-8°C for up to one month. For longer term storage, aseptically aliquot in working volumes without diluting and store at ≤ -70°C.

Avoid Repeated Freeze Thaw Cycles.

Product Preparation

Functional grade preclinical antibodies are manufactured in an animal free facility using *in vitro* cell culture techniques and are purified by a multi-step process including the use of protein A or G to assure extremely low levels of endotoxins, leachable protein A or aggregates.

Applications

Applications and Recommended Usage (Quality Tested By Leinco):

FC For flow cytometric staining, the suggested use of this reagent is $\leq 0.25 \mu\text{g}$ per million cells in 100 μL volume. Each lot of this antibody is quality control tested.

Other Applications Reported in Literature:

Additional reported applications (for the relevant formats) include:

Immunohistochemical Staining

Western Blotting

Country of Origin

USA