

Anti-Mouse CD200R (OX-131) In Vivo Antibody - Low Endotoxin

Product Code: ICH1288

More Information

Species Reactivity: Mouse

Target: CD200R

Concentration: ≥ 5.0 mg/ml

Isotype: Rat IgG1 kappa

Host: Rat

product name H2: Anti-Mouse CD200R (OX-131) In Vivo Antibody - Low Endotoxin

Aggregation: Aggregation level $\leq 5\%$

Buffer: ICH3002

UniProt: O54901;Q9ES57;Q5UKY4

Shipping Conditions: Blue ice

background: Signalling through CD200R delivers inhibitory cues that restrain myeloid-cell activation and help maintain immune homeostasis, making it a focus of inflammation and tolerance research. Clone OX131 is a rat IgG1 kappa monoclonal antibody against mouse CD200R, validated for flow cytometry, IHC and functional agonist/blocking bioassays, supporting both detection and receptor-modulation studies. Anti-mouse CD200R clone OX131 is supplied in a low-endotoxin format suitable for in vivo use and manufactured in scalable milligram (mg) to gram (g) quantities to serve bulk and high-throughput laboratories. This research-use-only reagent provides reproducible performance for studies of CD200R-mediated immune regulation.

Other names: CD200R1, OX2R

clone: OX131

Specificity: OX131 detects both mouse isoforms of CD200R: CD200R(1) from C57BL/6 mice and CD200R_NOD, also known as CD200R(2), from NOD mice. OX131 also cross-reacts with CD200RLe, which is not present in most mouse strains that contain CD200R. OX131 is therefore specific to CD200R in mouse strains that lack CD200RLe, such as C57BL/6 and BALB/c.

Purification Method: This monoclonal antibody was purified using multi-step affinity chromatography methods such as Protein A or G depending on the species and isotype.

Formulation: Sterile, preservative-free, solution in PBS. BSA and Azide free.

Purity: >95% by SDS-PAGE

Endotoxin: ≤ 1.0 EU/mg as determined by the LAL method

Storage: Stable for at least one week when stored sterile at 2-8°C. For long term storage aseptically aliquot in working volumes without diluting and store at -20°C or -80°C. Avoid Repeated Freeze Thaw Cycles.

Applications: Flow Cytometry, IHC, Functional Bioassays (Agonist/Blocking)

Application Notes: This antibody is for research use only (RUO): it is not for diagnostic or therapeutic procedures and cannot be purchased by patients.

Use: Products are for research use only. Not for use in diagnostic or therapeutic procedures.