Datasheet: MCA2281EL

Description: RAT ANTI MOUSE CD200R:Low Endotoxin

Specificity: CD200R

Other names: OX2R

Format: Low Endotoxin

Product Type: Monoclonal Antibody

Clone: OX-110

Isotype: IgG2a

Quantity: 0.5 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

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<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species: Mouse

Product Form: Purified IgG - liquid

Preparation: Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

Buffer Solution: Phosphate buffered saline

Preservative Stabilisers: None Present

Carrier Free: Yes

Endotoxin Level: <0.01EU/ug

Approx. Protein Concentrations: IgG concentration 1.0 mg/ml
**Immunogen**
Fusion protein mCD200RCD4d3+4

**External Database Links**
- UniProt: Q9ES57
- Related reagents

**Entrez Gene:**
- 57781 Cd200r1
- Related reagents

**Synonyms**
Mox2r, Ox2r

**Specificity**
Rat anti Mouse CD200R antibody, clone OX-110 recognizes mouse CD200R, a cell surface glycoprotein (also known as OX2R). Mouse CD200R is a 326 amino acid, ~48 kDa single pass type I transmembrane glycoprotein, expressed primarily by peripheral blood monocytes and neutrophils but also by other leucocytes including T-lymphocytes and mast cells (Wright et al. 2003). Studies suggest that CD200-CD200R interaction may be involved in the control of myeloid cellular function (Minas and Liversidge 2006).

Rat anti Mouse CD200R antibody, clone OX-110 has been used successfully for the immunohistochemical detection of CD200R expressing cells on acetone fixed cryosections of murine synovial tissue (Simelyte et al. 2008).

**Flow Cytometry**
Use 10ul of the suggested working dilution to label 10^6 cells in 100ul

**References**

**Storage**

Store at -20°C only.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

**Shelf Life**

18 months from date of despatch.

**Health And Safety Information**


**Regulatory**

For research purposes only

**Related Products**

**Recommended Secondary Antibodies**

- Rabbit Anti Rat IgG (STAR17...) *FITC*
- Goat Anti Rat IgG (STAR69...) *FITC*
- Goat Anti Rat IgG (STAR131...) *Alk. Phos., Biotin*
- Goat Anti Rat IgG (STAR73...) *RPE*
- Rabbit Anti Rat IgG (STAR21...) *HRP*
- Goat Anti Rat IgG (STAR72...) *HRP*
- Rabbit Anti Rat IgG (STAR16...) *DyLight®800*
- Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...) *DyLight®649, DyLight®800*

**Recommended Negative Controls**

- RAT IgG2a NEGATIVE CONTROL: Low Endotoxin (MCA1212EL)

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