# Mouse anti CD200 Monoclonal Antibody

**Alternative Name(s): MRC; MOX1; MOX2; OX-2**

**Order Information**

- **Description:** CD200
- **Catalogue:** 605-280
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** OX-104
- **Application:** IHC(P), FC
- **Reactivity:** Hu

## ANTIGEN PREPARATION

A recombinant protein of human CD200

## BACKGROUND

CD200, also known as OX2, is a type I membrane glycoprotein containing two extracellular immunoglobulin domains, a transmembrane and a cytoplasmic domain. It is expressed on various cell types, including B cells, a subset of T cells, thymocytes, endothelial cells, and neurons. CD200 plays an important role in immunosuppression and regulation of anti-tumor activity.

## PURIFICATION

The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping

## FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

## SPECIFICITY

This antibody recognizes human CD200 protein. The other species are not tested.

## STORAGE

The antibodies are stable for 24 months from date of receipt when stored at –20oC to –70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

## APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: 0.5-5 µg/106 cells
- Molecular Weight: 45.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.



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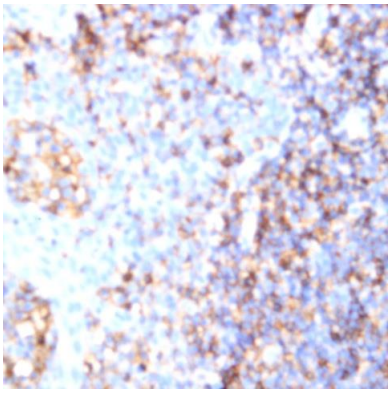
**DATA ATTACHMENTS**



Immunohistochemistry: Human Tonsil (FFPE) stained with Mouse anti-CD200 (Cat#605-280 ) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

**REFERENCES**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