



20150116ML

# Anti-Human CD200 (#2K50)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

|                  |                            |
|------------------|----------------------------|
| <b>Cat.-no.:</b> | <b>101-M294</b>            |
| Size:            | 100 µg                     |
| Lot. No.:        | According to product label |

**Preparation:** This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse) immunized with human recombinant protein of CD200.

## Target Background

|                           |                              |
|---------------------------|------------------------------|
| <b>Synonyms (Target):</b> | CD200; MRC; MOX1; MOX2; OX-2 |
|---------------------------|------------------------------|

CD200 antigen, also known as OX-2, is a type I transmembrane protein belonging to the Ig superfamily. It has a 202 amino acid extracellular domain and a short (19 aa) cytoplasmic tail. At least two alternate splice isoforms exist that differ in their cytoplasmic domains. CD200 is widely expressed in multiple cell types. It interacts with CD200 R1, another Ig superfamily inhibitory receptor primarily expressed on leukocytes of the myeloid lineage, to inhibit myeloid functions.

## Database References Target

|                        |             |
|------------------------|-------------|
| <b>Protein RefSeq:</b> | NP_005935.4 |
| <b>Uniprot ID:</b>     | P41217      |
| <b>mRNA RefSeq:</b>    | NM_005944   |

## Product Specifications

|                              |                          |
|------------------------------|--------------------------|
| <b>Host</b>                  | Mouse                    |
| <b>Reactivity against</b>    | Human                    |
| <b>Clonality</b>             | Monoclonal Antibody      |
| <b>Clone</b>                 | (#2K50)                  |
| <b>Isotype</b>               | IgG1                     |
| <b>Purification</b>          | Protein G chromatography |
| <b>Antigen</b>               | human recombinant CD200  |
| <b>Formulation</b>           | lyophilized              |
| <b>Reconstitution buffer</b> | PBS (sterile)            |

**Reconstitution:** Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

**Stability:** Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

**Remarks:** This antibody was selected for its ability to detect human CD200.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

## Applications

The antibody can be used within the following applications:

N

**Recommended usage:****Neutralization:** Yes

**NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!**