Mouse anti CD20 Monoclonal Antibody

Alternative Name(s): MS4A1, CD20, CD20 antigen, CD20 receptor, B-Lymphocyte cell-surface antigen B1

Order Information

- **Description:** CD20
- **Catalogue:** 500-11214
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** C273
- **Application:** IHC(P), WB
- **Reactivity:** Hu

ANTIGEN PREPARATION

A synthetic peptide corresponding to C-terminus of human CD20 protein.

BACKGROUND

CD20, a non-glycosylated protein, belongs to a member of the membrane-spanning 4A gene family. The molecular weight is at a range of ~34-37kDa depending on the degree of the protein phosphorylation. The CD20 antigen is present on human pre B lymphocytes and B lymphocytes at all stages of maturation. Thus, it plays an important role in the development and differentiation of B-cells into plasma cells. Low level of CD20 expression appears on normal T lymphocytes. Combination of chemo and humanized CD20 antibodies has been reported in clinical study of lymphoma diseases.

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 ~34 kDa of human CD20. 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: Not tested
- Molecular Weight: 35.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

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

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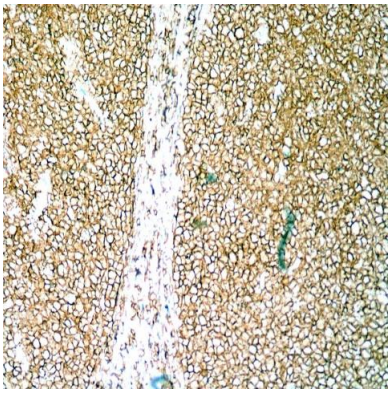
DATA ATTACHMENTS



Immunohistochemistry: Human Tonsil (FFPE) stained with Mouse anti-CD20 (Cat# 500-11214) 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