

## Anti-CD20 [2H7] Standard Size Ab01138-1.4

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This reformatted mouse antibody was made using the variable domain sequences of the original mouse IgG2b format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Mouse IgG1, Fc Silent™, Kappa

**Clone Number:** 2H7

**Alternative Name(s) of Target:** MS4A1; B-lymphocyte antigen CD20; B-lymphocyte surface antigen B1; Bp35; Leukocyte surface antigen Leu-16; Membrane-spanning 4-domains subfamily A member 1; E9PPL6; P19437

**UniProt Accession Number of Target Protein:** P11836

**Published Application(s):** IP, FC, IF

**Published Species Reactivity:** Baboon, chimpanzee, gibbon, langur, Marmoset, owl monkey, Human

**Immunogen:** This antibody was raised by hyperimmunising a C57BL/6 mouse with the Ia- B cell line 6.16 cl. 3.

**Specificity:** This antibody is specific for CD20, which is expressed by normal and malignant B cells.

**Application Notes:** This antibody has been used in flow cytometry and quantitative immunofluorescence analysis of human peripheral blood mononuclear leukocytes (Yanase et al, 1986). It has also been used to precipitate CD20 from lysates of the Raji human B cell line (Deans et al, 1995). This antibody has been exploited as part of an avidin-biotin immunoabsorption system to eliminate Daudi lymphoblasts from human bone marrow (Berenson et al, 1986). A mouse-human chimeric version of this antibody effectively mediates antibody-dependent cellular cytotoxicity with human effector cells and complement-dependent cytotoxicity with human complement (Liu et al, 1987).

**Antibody First Published in:** Ledbetter et al. Surface phenotype and function of tonsillar germinal center and mantle zone B cell subsets Human Immunology, 1986, Vol.15(1), pp.30-43 [PMID:2419284](#)

**Note on publication:** Describes the original generation of this antibody.

## Product Form

**Size:** 200 µg Purified antibody.

**Purification:**

Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.