Product datasheet

Anti-CD20 antibody [2H7] ab111274

★★★★☆ 1 Abreviews

Overview

Product name          Anti-CD20 antibody [2H7]
Description           Mouse monoclonal [2H7] to CD20
Host species          Mouse
Tested applications   Suitable for: IP, IHC-Fr, Flow Cyt
Species reactivity    Reacts with: Human, Non human primates
Immunogen             Human tonsillar B cells
Epitope               The epitope recognised by this antibody has been mapped to the following sequence which is found in the large extracellular loop of human CD20: YNCEPANPSEKNSPST

Properties

Form                  Liquid
Storage instructions  Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C long term.
Storage buffer        pH: 7.40  
                       Preservative: 0.1% Sodium azide  
                       Constituent: PBS
Purity                Protein A purified
Purification notes    > 95% (by SDS-PAGE)
Clonality             Monoclonal
Clone number          2H7
Isotype               IgG2b

Applications

Our Abpromise guarantee covers the use of ab111274 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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| Flow Cyt    | Use a concentration of 0.6 µg/ml.  
  *ab170192* - Mouse monoclonal IgG2b, is suitable for use as an isotype control with this antibody. |

**Target**

**Function**  
This protein may be involved in the regulation of B-cell activation and proliferation.

**Tissue specificity**  
Expressed on B-cells.

**Involvement in disease**  
Defects in MS4A1 are the cause of immunodeficiency common variable type 5 (CVID5) [MIM:613495]; also called antibody deficiency due to CD20 defect. CVID5 is a primary immunodeficiency characterized by antibody deficiency, hypogammaglobulinemia, recurrent bacterial infections and an inability to mount an antibody response to antigen. The defect results from a failure of B-cell differentiation and impaired secretion of immunoglobulins; the numbers of circulating B cells is usually in the normal range, but can be low.

**Sequence similarities**  
Belongs to the MS4A family.

**Post-translational modifications**  
Phosphorylated. Might be functionally regulated by protein kinase(s).

**Cellular localization**  
Membrane.

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**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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