Product Datasheet

Anti-CD20 antibody [2H7] ab111274

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.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>IP</td>
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<td>Use at an assay dependent concentration.</td>
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<td>IHC-Fr</td>
<td>Use at an assay dependent concentration.</td>
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<td>Flow Cyt</td>
<td>Use a concentration of 0.6 µg/ml. ab170192 - Mouse monoclonal IgG2b, is suitable for use as an isotype control with this antibody.</td>
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**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. |

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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