

## Product datasheet

# Anti-CD2 antibody [12-15] ab25317

### Overview

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|----------------------------|---|
| <b>Product name</b>        | Anti-CD2 antibody [12-15]   |
| <b>Description</b>         | Rat monoclonal [12-15] to CD2   |
| <b>Host species</b>        | Rat   |
| <b>Tested applications</b> | <b>Suitable for:</b> Flow Cyt, IP   |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Mouse   |
| <b>Immunogen</b>           | The details of the immunogen for this antibody are not available.   |
| <b>Positive control</b>    | Balb/c lymph node cells.  |
| <b>General notes</b>       | This antibody has been shown to be useful in studies of In vitro inhibition of CTL mediated lysis and also studies of the induction of T cell unresponsiveness In vivo. |

### Properties

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|-------------------------------|---|
| <b>Form</b>                   | Liquid  |
| <b>Storage instructions</b>   | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.   |
| <b>Storage buffer</b>         | pH: 8.20<br>Constituent: 100% Borate buffered saline  |
| <b>Purity</b>                 | IgG fraction  |
| <b>Primary antibody notes</b> | This antibody has been shown to be useful in studies of In vitro inhibition of CTL mediated lysis and also studies of the induction of T cell unresponsiveness In vivo. |
| <b>Clonality</b>              | Monoclonal  |
| <b>Clone number</b>           | 12-15   |
| <b>Isotype</b>                | IgG1  |
| <b>Light chain type</b>       | kappa   |

### Applications

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Our [Abpromise guarantee](#) covers the use of **ab25317** in the following tested applications.

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

| Application | Abreviews | Notes  |
|-------------|-----------|--|
| Flow Cyt    |           | Use at an assay dependent concentration.<br><a href="#">ab18407</a> - Rat monoclonal IgG1, is suitable for use as an isotype control with this antibody. |
| IP          |           | Use at an assay dependent concentration.   |

## Target

|                              |   |
|------------------------------|---|
| <b>Function</b>              | CD2 interacts with lymphocyte function-associated antigen (LFA-3) and CD48/BCM1 to mediate adhesion between T-cells and other cell types. CD2 is implicated in the triggering of T-cells, the cytoplasmic domain is implicated in the signaling function. |
| <b>Sequence similarities</b> | Contains 1 Ig-like C2-type (immunoglobulin-like) domain.<br>Contains 1 Ig-like V-type (immunoglobulin-like) domain.   |
| <b>Cellular localization</b> | Membrane.   |

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