# Anti-CD3 antibody [RM0027-3B19] ab56313

**Overview**

- **Product name**: Anti-CD3 antibody [RM0027-3B19]
- **Description**: Rat monoclonal [RM0027-3B19] to CD3
- **Host species**: Rat
- **Tested applications**: Suitable for: IP, Flow Cyt, ICC/IF, IHC-P
- **Species reactivity**: Reacts with: Mouse
- **Immunogen**: Mouse CD3 positive cells
- **Positive control**: Spleen tissue

**Properties**

- **Form**: Liquid
- **Storage instructions**: Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
- **Storage buffer**: Constituent: PBS
- **Purity**: Protein G purified
- **Clonality**: Monoclonal
- **Clone number**: RM0027-3B19
- **Isotype**: IgG2b

**Applications**

Our [Abpromise guarantee](#) covers the use of **ab56313** 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>
</tr>
</thead>
<tbody>
<tr>
<td>IP</td>
<td>1/100</td>
<td></td>
</tr>
<tr>
<td>Flow Cyt</td>
<td>1/100 - 1/500.</td>
<td><code>ab18536</code> - Rat monoclonal IgG2b, is suitable for use as an isotype control with this antibody.</td>
</tr>
</tbody>
</table>
The CD3 complex mediates signal transduction.

Defects in CD3D are a cause of severe combined immunodeficiency autosomal recessive T-cell-negative/B-cell-positive/NK-cell-positive (T(-)/B(+)/NK(+) SCID) [MIM:608971]. A form of severe combined immunodeficiency (SCID), a genetically and clinically heterogeneous group of rare congenital disorders characterized by impairment of both humoral and cell-mediated immunity, leukopenia, and low or absent antibody levels. Patients present in infancy recurrent, persistent infections by opportunistic organisms. The common characteristic of all types of SCID is absence of T-cell-mediated cellular immunity due to a defect in T-cell development.

Contains 1 ITAM domain.

Membrane.

ab56313, staining Mouse CD3 in Kidney, using Immunohistochemistry, Paraffin embedded tissue.
ab56313 at 1/400 dilution staining CD3 in LPS treated mouse spleen sections by immunohistochemistry (Formalin/ PFA fixed paraffin-embedded tissue sections).

Please note: All products are “FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES”

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors