Datasheet for ABIN6941035

**Recombinant anti-CD3 epsilon antibody (AA 23-119)**

Overview

<table>
<thead>
<tr>
<th>Quantity</th>
<th>100 μg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Target</td>
<td>CD3 epsilon (CD3E)</td>
</tr>
<tr>
<td>Binding Specificity</td>
<td>AA 23-119</td>
</tr>
<tr>
<td>Reactivity</td>
<td>Human</td>
</tr>
<tr>
<td>Host</td>
<td>Rabbit</td>
</tr>
<tr>
<td>Antibody Type</td>
<td>Recombinant Antibody</td>
</tr>
<tr>
<td>Clonality</td>
<td>Monoclonal</td>
</tr>
<tr>
<td>Conjugate</td>
<td>This CD3 epsilon antibody is un-conjugated</td>
</tr>
<tr>
<td>Application</td>
<td>Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Coating (Coat), Staining Methods (StM)</td>
</tr>
</tbody>
</table>

Product Details

<table>
<thead>
<tr>
<th>Immunogen</th>
<th>Recombinant human CD3ε fragment (around aa 23-119) (exact sequence is proprietary)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clone</td>
<td>C3e-3125R</td>
</tr>
<tr>
<td>Isotype</td>
<td>IgG</td>
</tr>
<tr>
<td>Specificity</td>
<td>Recognizes the epsilon-chain of CD3, which consists of five different polypeptide chains (designated as gamma, delta, epsilon, zeta, and eta) with MW ranging from 16-28 kDa. The CD3 complex is closely associated at the lymphocyte cell surface with the T cell antigen receptor (TCR). Reportedly, CD3 complex is involved in signal transduction to the T cell interior following antigen recognition. The CD3 antigen is first detectable in early thymocytes and probably represents one of the earliest signs of commitment to the T cell lineage. In cortical thymocytes,</td>
</tr>
</tbody>
</table>
Product Details

CD3 is predominantly intra-cytoplasmic. However, in medullary thymocytes, it appears on the T cell surface. CD3 antigen is a highly specific marker for T cells, and is present in majority of T cell neoplasms.

Purification: Purified by Protein A/G

Target Details

Target: CD3 epsilon (CD3E)

Alternative Name: CD3E (CD3E Products)

Molecular Weight: 20-25kDa

Gene ID: 916

UniProt: P07766

Pathways: TCR Signaling, CXCR4-mediated Signaling Events, Ubiquitin Proteasome Pathway

Application Details

Application Notes: Positive Control: Jurkat and MOLT-4 cells. Tonsil or lymph node.
Known Application: ELISA (Use Ab at 2-4 μg/mL for coating) (Order Ab without BSA), Western Blot (1-2 μg/mL), Immunohistochemistry (Formalin-fixed) (1-2 μg/mL for 30 minutes at RT). (Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Tris buffer with 1 mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes) Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 μg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C-80 °C

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody
Handling

is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months

Images

Western Blotting

**Image 1.** SDS-PAGE Analysis Purified CD3e Rabbit Recombinant Monoclonal Antibody (C3e/3125R).

Confirmation of Integrity and Purity of Antibody.

Immunohistochemistry

**Image 2.** Formalin-fixed, paraffin-embedded human Tonsil stained with CD3e Rabbit Recombinant Monoclonal Antibody (C3e/3125R).

SDS-PAGE

**Image 3.** SDS-PAGE Analysis Purified CD3e Rabbit Recombinant Monoclonal Antibody (C3e/3125R).

Confirmation of Integrity and Purity of Antibody.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6941035.