CD8A Antibody (C-term)
Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1414b

**Specification**

**CD8A Antibody (C-term) - Product Information**

<table>
<thead>
<tr>
<th>Application</th>
<th>WB, IHC-P, FC, E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary Accession</td>
<td>P01732</td>
</tr>
<tr>
<td>Reactivity</td>
<td>Human</td>
</tr>
<tr>
<td>Host</td>
<td>Rabbit</td>
</tr>
<tr>
<td>Clonality</td>
<td>Polyclonal</td>
</tr>
<tr>
<td>Isotype</td>
<td>Rabbit Ig</td>
</tr>
<tr>
<td>Clone Names</td>
<td>RB13642</td>
</tr>
<tr>
<td>Calculated MW</td>
<td>29729</td>
</tr>
<tr>
<td>Antigen Region</td>
<td>150-180</td>
</tr>
</tbody>
</table>

**Gene ID 925**

**Other Names**
T-cell surface glycoprotein CD8 alpha chain, T-lymphocyte differentiation antigen T8/Leu-2, CD8a, CD8A, MAL

**Target/Specificity**
This CD8A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 150-180 amino acids from the C-terminal region of human CD8A.

**Dilution**

- WB → 1:1000
- IHC-P → 1:10→50
- FC→ 1:10→50

**Format**
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**
CD8A Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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Synonyms MAL

Function
Identifies cytotoxic/suppressor T-cells that interact with MHC class I bearing targets. CD8 is thought to play a role in the process of T-cell mediated killing. CD8 alpha chains binds to class I MHC molecules alpha-3 domains.

Cellular Location
Isoform 1: Cell membrane; Single-pass type I membrane protein

CD8A Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytometry
- Cell Culture

Flow cytometric analysis of NCI-H292 cells using CD8A Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

CD8A Antibody (C-term) - Background

The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell-cell interactions within the immune system. The CD8 antigen, acting as a co-receptor, and the T-cell receptor on the T lymphocyte recognize antigen displayed by an antigen presenting cell (APC) in the context of class I MHC molecules. The functional co-receptor is either a homodimer composed of two alpha chains, or a heterodimer composed of one alpha and one beta chain. Both alpha and beta chains share significant homology to immunoglobulin variable light chains.

CD8A Antibody (C-term) - References


CD8A Antibody (C-term) - Citations

- Laser Therapy Inhibits Tumor Growth in Mice by Promoting Immune Surveillance and Vessel Normalization.