

## Product datasheet

# PerCP Anti-CD8 antibody [MEM-31] ab65949

★★★★★ 1 Abreviews 2 References

### Overview

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<b>Product name</b>	PerCP Anti-CD8 antibody [MEM-31]
<b>Description</b>	PerCP Mouse monoclonal [MEM-31] to CD8
<b>Host species</b>	Mouse
<b>Conjugation</b>	PerCP. Ex: 482nm, Em: 675nm
<b>Specificity</b>	ab65949 recognizes a conformationally-dependent epitope of CD8. The antibody does not react with formaldehyde-fixed cells and is negative in Western Blotting.
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Tissue/ cell preparation (Human):Crude thymus membrane fraction.
<b>Positive control</b>	human blood
<b>General notes</b>	Conjugated with Peridinin-chlorophyll-protein complex (PerCP)

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been "predicted to work with," however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	Preservative: 0.097% Sodium azide Constituents: PBS, 0.2% BSA
<b>Purity</b>	Size exclusion
<b>Purification notes</b>	>95% by SDS-PAGE
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	MEM-31
<b>Isotype</b>	IgG2a

## Applications

<b>Application notes</b>	Flow Cyt: Use Neat: 10µl for 10 <sup>6</sup> cells, or 100µl whole blood.  Is unsuitable for WB. Is unsuitable for applications using formaldehyde fixed cells.  Not yet tested in other applications. Optimal dilutions/concentrations should be determined by the end user.
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## Target

<b>Function</b>	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.
<b>Involvement in disease</b>	Defects in CD8A are a cause of familial CD8 deficiency (CD8 deficiency) [MIM:608957]. Familial CD8 deficiency is a novel autosomal recessive immunologic defect characterized by absence of CD8+ cells, leading to recurrent bacterial infections.
<b>Sequence similarities</b>	Contains 1 Ig-like V-type (immunoglobulin-like) domain.
<b>Post-translational modifications</b>	All of the five most C-terminal cysteines form inter-chain disulfide bonds in dimers and higher multimers, while the four N-terminal cysteines do not.
<b>Cellular localization</b>	Secreted and Cell membrane.
<b>Form</b>	CD8 beta tissue specificity: Isoform 1, isoform 3, isoform 5, isoform 6, isoform 7 and isoform 8 are expressed in both thymus and peripheral CD8+ T-cells. Expression of isoform 1 is higher in thymus CD8+ T-cells than in peripheral CD8+ T-cells. Expression of isoform 6 is higher in peripheral CD8+ T-cells than in thymus CD8+ T-cells. CD8 beta PTM: Phosphorylated as a consequence of T-cell activation.

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