

# CD8A/B monoclonal antibody, clone CD8-C12

Catalog # MAB1320

Size 200 ug

## Specification

Product Description	Mouse monoclonal antibody raised against native CD8A/B.
Immunogen	Native purified CD8A/B from human peripheral blood T cells.
Host	Mouse
Reactivity	Human
Specificity	React with human CD8.
Form	Lyophilized
Isotype	IgG2
Quality Control Testing	Antibody Reactive Against Native Purified Protein.
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with deionized water, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Flow Cytometry

## Gene Info — CD8A

Entrez GeneID [925](#)

Gene Name CD8A

Gene Alias	CD8, Leu2, MAL, p32
Gene Description	CD8a molecule
Omim ID	<a href="#">186910 608957</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>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 acts as a coreceptor with the T-cell receptor on the T lymphocyte to recognize antigens displayed by an antigen presenting cell (APC) in the context of class I MHC molecules. The coreceptor functions as either a homodimer composed of two alpha chains, or as a heterodimer composed of one alpha and one beta chain. Both alpha and beta chains share significant homology to immunoglobulin variable light chains. This gene encodes the CD8 alpha chain isoforms. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]</p>
Other Designations	CD8 antigen alpha polypeptide CD8 antigen, alpha polypeptide (p32) Leu2 T-lymphocyte antigen OKT8 T-cell antigen T cell co-receptor T-cell antigen Leu2 T-cell surface glycoprotein CD8 alpha chain T-lymphocyte differentiation antigen T8/Leu-2 T8 T-cell ant

## Gene Info — CD8B

Entrez GeneID	<a href="#">926</a>
Gene Name	CD8B
Gene Alias	CD8B1, LYT3, Leu2, Ly3, MGC119115
Gene Description	CD8b molecule
Omim ID	<a href="#">186730</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>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 coreceptor, 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 coreceptor 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. This gene encodes the CD8 beta chain isoforms. Multiple alternatively spliced transcript variants encoding distinct membrane associated or secreted isoforms have been described. A pseudogene, also located on chromosome 2, has been identified. [provided by RefSeq]</p>
Other Designations	CD8 antigen, beta polypeptide (p37) CD8 antigen, beta polypeptide 1 (p37) CD8b antigen OTTH UMP00000160761 T lymphocyte surface glycoprotein beta chain T-cell surface glycoprotein CD8 beta chain

## Pathway

- [Antigen processing and presentation](#)
- [Antigen processing and presentation](#)
- [Cell adhesion molecules \(CAMs\)](#)
- [Cell adhesion molecules \(CAMs\)](#)
- [Hematopoietic cell lineage](#)
- [Hematopoietic cell lineage](#)
- [Primary immunodeficiency](#)
- [Primary immunodeficiency](#)
- [T cell receptor signaling pathway](#)
- [T cell receptor signaling pathway](#)

## Disease

- [Tobacco Use Disorder](#)