

CD8 monoclonal antibody, clone CA-8

Catalog # MAB12451 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against full length native of human CD8.
Immunogen	Native purified CD8 from human thymocytes.
Host	Mouse
Reactivity	Human
Form	Lyophilized
Isotype	IgG2a
Recommend Usage	Immunohistochemistry (1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from ascites fluid (1.2 % sodium acetate, 2 mg BSA, 0.01 mg sodium azide)
Storage Instruction	Store at -20°C. After reconstitution with 1 mL of 1.2% sodium acetate or neutral PBS and concentration will be 100 ug/mL, store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Frozen sections)

Gene Info — CD8A

Entrez GeneID [925](#)

Gene Name	CD8A
Gene Alias	CD8, Leu2, MAL, p32
Gene Description	CD8a molecule
Omim ID	186910 608957
Gene Ontology	Hyperlink
Gene Summary	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]
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	926
Gene Name	CD8B
Gene Alias	CD8B1, LYT3, Leu2, Ly3, MGC119115
Gene Description	CD8b molecule
Omim ID	186730
Gene Ontology	Hyperlink
Gene Summary	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]
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](#)