

CD8A monoclonal antibody, clone UCHT4

Catalog # MAB6898 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native CD8A.
Immunogen	Native purified CD8A from human thymocytes/Sezary T cells.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG2a
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM sodium phosphate buffer, 100 mM potassium Chloride, 150 mM NaCl, pH 7.5 (0.5 mg/mL gentamicin sulfate)
Storage Instruction	Store at 4°C.

Applications

- Immunohistochemistry (Frozen sections)
- Immunoprecipitation
- Flow Cytometry

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

Publication Reference

- [Interaction between CD8 and major histocompatibility complex \(MHC\) class I mediated by multiple contact surfaces that include the alpha 2 and alpha 3 domains of MHC class I.](#)

Sun J, Leahy DJ, Kavathas PB.

The Journal of Experimental Medicine 1995 Nov; 182(5):1275.

Application: Flow Cyt, Monkey, COS-7 cells
- [The CD8 coreceptor revisited: one chain good, two chains better.](#)

Zamoyska R.

Immunity 1994 Jul; 1(4):243.
- [Induction of a T-cell mediated suppressor activity by soluble products from antigen-specific helper/inducer human T-cell lines.](#)

Fischer A, Beverley P, Feldmann M, Smith S.

Immunology 1983 Jan; 48(1):177.

Application: Flow Cyt, Mouse, Mouse T cells

Pathway

- [Antigen processing and presentation](#)

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