



CD8 a (ABT142R) Rabbit mAb (Ready to Use)

Catalog No	YP-rAb-18136
Isotype	IgG
Reactivity	Human
Applications	IHC
Gene Name	CD8A MAL
Protein Name	alpha polypeptide (p32);CD_antigen=CD8a;CD8;CD8 antigen alpha polypeptide;CD8 antigen alpha polypeptide (p32);CD8 antigen, alpha polypeptide (p32);CD8a;CD8A antigen;CD8A molecule;CD8A_HUMAN;Leu2;Leu2 T lymphocyte antigen;Ly 2;Ly 35;Ly B;Ly2;Ly3;Ly35;LyB;Lyt 2.1 lymphocyte differentiation antigen (AA at 100);LYT3;MAL;OKT8 T cell antigen;OTTHUMP00000160760;OTTHUMP00000160764;OTTHUMP00000203528;OTTHUMP00000203721;p32;T cell antigen Leu2;T cell co receptor;T lymphocyte differentiation antigen T8/Leu 2;T-cell surface glycoprotein CD8 alpha chain;T-cell surface glycoprotein Lyt 2;T-lymphocyte differentiation antigen T8/Leu-2;T8 T cell antigen;T8/Leu-2 T-lymphocyte differentiation antigen
Purification Process	Protein A
Specificity	This antibody detects endogenous levels of CD8
Formulation	The prediluted ready-to-use antibody is diluted in phosphate buffer saline containing stabilizing protein and 0.05% Proclin 300
Source	Monoclonal, Rabbit,IgG
Dilution	Ready to use for IHC Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	2° C to 8° C/1 year,Ship by ice bag
Synonyms	alpha polypeptide (p32) ; CD_antigen=CD8a ; CD8 ; CD8 antigen alpha polypeptide ; CD8 antigen alpha polypeptide (p32) ; CD8 antigen, alpha polypeptide (p32) ; CD8a ; CD8A antigen ; CD8A molecule ; CD8A_HUMAN ; Leu2 ; Leu2 T lymphocyte antigen ; Ly 2 ; Ly 35 ; Ly B ; Ly2 ; Ly3 ; Ly35 ; LyB ; Lyt 2.1 lymphocyte differentiation antigen (AA at 100) ; LYT3 ; MAL ; OKT8 T cell antigen ; OTTHUMP00000160760 ; OTTHUMP00000160764 ; OTTHUMP00000203528 ; OTTHUMP00000203721 ; p32 ; T cell antigen Leu2 ; T cell co receptor ; T lymphocyte differentiation antigen T8/Leu 2 ; T-cell surface glycoprotein CD8 alpha chain ; T-cell surface glycoprotein Lyt 2 ; T-lymphocyte differentiation antigen T8/Leu-2 ; T8 T cell antigen ; T8/Leu-2 T-lymphocyte differentiation antigen




Observed Band
Calculated Molecular Weight
Cell Pathway Membranous

Tissue Specificity Tonsil/ Appendix

Function

disease: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.,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.,online information:CD8 entry,online information:CD8A mutation db,PTM:All of the five most carboxyl-terminal cysteines form inter-chain disulfide bonds in dimers and higher multimers, while the four N-terminal cysteines do not.,similarity:Contains 1 Ig-like V-type (immunoglobulin-like) domain.,subunit:In general heterodimer of an alpha and a beta chain linked by two disulfide bonds. Can also form homodimers. Shown to be expressed as heterodimer on thymocytes and as homodimer on peripheral blood T-lymphocytes. Interacts with the MHC class I HLA-A/B2M dimer. Interacts with LCK in a zinc-dependent manner.,

Background

The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell-cell interactions withinThe immune system.The CD8 antigen acts as a coreceptor withThe T-cell receptor onThe T lymphocyte to recognize antigens displayed by an antigen presenting cell inThe 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 encodesThe CD8 alpha chain. Multiple transcript variants encoding different isoforms have been found forThis gene. [provided by RefSeq, Nov 2011],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

