

**CD8 a (ABT142R) rabbit mAb**

<b>Catalog No :</b>	YM7074
<b>Reactivity :</b>	Human;
<b>Applications :</b>	IHC;WB; ELISA
<b>Target :</b>	CD8
<b>Fields :</b>	>>Cell adhesion molecules;>>Antigen processing and presentation;>>Hematopoietic cell lineage;>>T cell receptor signaling pathway;>>Yersinia infection;>>Primary immunodeficiency
<b>Gene Name :</b>	CD8A
<b>Protein Name :</b>	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
<b>Human Gene Id :</b>	925
<b>Human Swiss Prot No :</b>	P01732
<b>Mouse Swiss Prot No :</b>	P01731
<b>Rat Swiss Prot No :</b>	P07725
<b>Immunogen :</b>	Synthesized peptide derived from human CD8 AA range:100-235
<b>Specificity :</b>	This antibody detects endogenous levels of CD8
<b>Formulation :</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
<b>Source :</b>	Monoclonal, Rabbit IgG1, Kappa
<b>Dilution :</b>	IHC 1:100-500, WB 1:500-1000, ELISA 1:5000-20000
<b>Purification :</b>	Recombinant Expression and Affinity purified

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**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

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**Molecularweight :** 26kD

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**Background :** 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 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. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011],

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**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. Sho

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**Subcellular Location :** Membranous

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**Expression :** Tonsil/ Appendix

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## Products Images