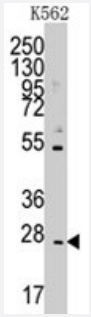
CD8B polyclonal antibody

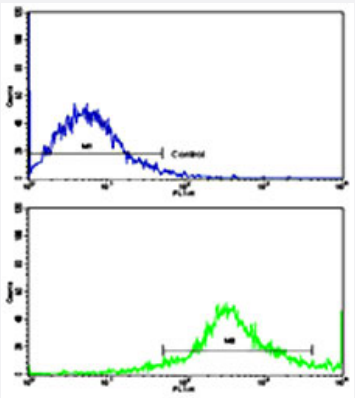
Catalog # PAB3088 Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of CD8B polyclonal antibody (Cat # PAB3088) in K-562 cell line lysates (35 ug/lane). CD8B (arrow) was detected using the purified polyclonal antibody.



Flow Cytometry

Flow cytometric analysis of Jurkat cells using CD8B polyclonal antibody (Cat # PAB3088)(bottom histogram) compared to a negative control cell (top histogram).
FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CD8B.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human CD8B.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein A purification

Recommend Usage	Western Blot (1:1000) Flow cytometry (1:10-50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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Gene Info — CD8B

Entrez GeneID	926
Protein Accession#	NP_004922;P10966
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|OTTHUMP00000160761|T lymphocyte surface glycoprotein beta chain|T-cell surface glycoprotein CD8 beta chain

Publication Reference

- Recent duplication of the two human CD8 beta-chain genes.

  Nakayama K, Kawachi Y, Tokito S, Minami N, Yamamoto R, Imai T, Gachelin G, Nakauchi H.

  Journal of Immunology 1992 Mar; 148(6):1919.

- Differential expression and regulation of the human CD8 alpha and CD8 beta chains.

  Terry LA, DiSanto JP, Small TN, Flomenberg N.

  Tissue Antigens 1990 Feb; 35(2):82.

Pathway

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

Disease

- Tobacco Use Disorder