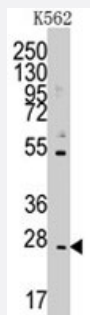


# CD8B polyclonal antibody

Catalog # PAB3088

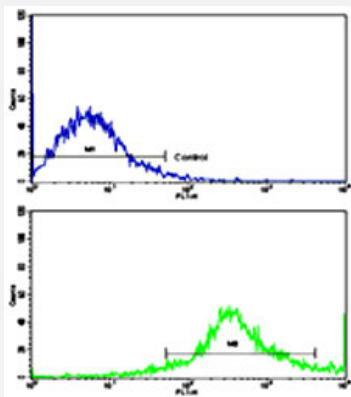
Size 400 uL

## 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

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

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

## 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.

## Gene Info — CD8B

<b>Entrez GeneID</b>	<a href="#">926</a>
<b>Protein Accession#</b>	<a href="#">NP_004922;P10966</a>
<b>Gene Name</b>	CD8B
<b>Gene Alias</b>	CD8B1, LYT3, Leu2, Ly3, MGC119115
<b>Gene Description</b>	CD8b molecule
<b>Omim ID</b>	<a href="#">186730</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>

## 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

## 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](#)