

Datasheet for ABIN7013937

anti-CD8B antibody

2 Images

[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	CD8B
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD8B antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunoprecipitation (IP), Immunohistochemistry (Frozen Sections) (IHC (fro)), Functional Studies (Func)

Product Details

Immunogen:	CD8 positive Wistar rat splenic T cell hybridomas
Clone:	341
Isotype:	IgG1 kappa
Specificity:	The mouse monoclonal antibody 341 (also known as 34.1) recognizes rat CD8b, the 32-34 kDa beta chain of the CD8 coreceptor (extracellular epitope), expressed on T cell subsets and some other cell types, such as macrophages.
Purification:	Purified by protein-A affinity chromatography.
Endotoxin Level:	Low Endotoxin

Target Details

Target:	CD8B
---------	------

Target Details

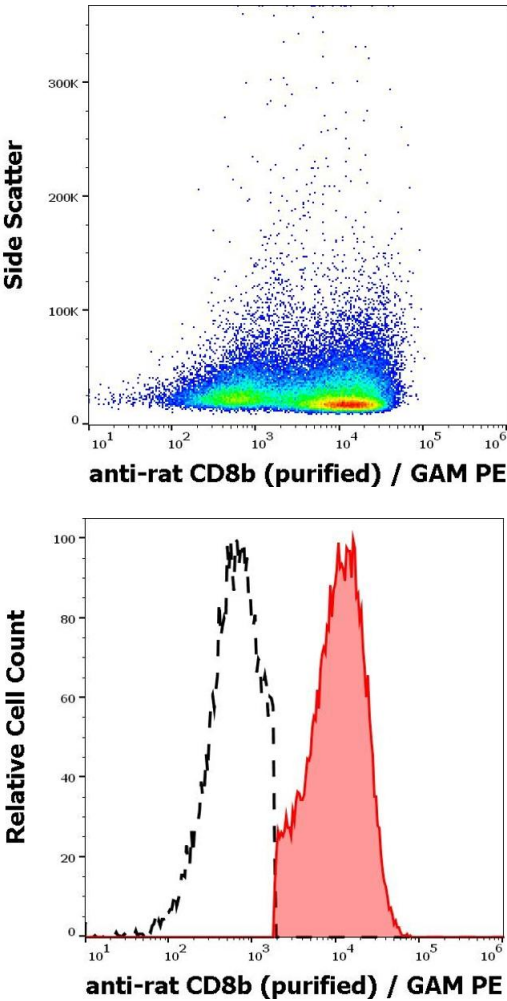
Alternative Name:	CD8b (CD8B Products)
Background:	CD8b molecule,The CD8b (CD8 beta) subunit of CD8 T cell coreceptor is expressed in CD8 alpha/beta heterodimers on majority of MHC I-restricted conventional T cells and thymocytes and in CD8 alpha/alpha homodimers on subsets of memory T cells, intraepithelial lymphocytes, NK cells, macrophages, mast cells, and dendritic cells. Regulation of CD8 beta level on T cell surface seems to be an important mechanism to control their effector function. Assembly of CD8 alpha/beta but not alpha/alpha dimers is connected with formation or localization to the lipid rafts. Recruiting triggered TCR complexes to these membrane microdomains as well as affinity of TCR to MHC I is modulated by CD8, thereby affecting the functional diversity of the TCR signaling.,Ly-3, Ly-C, Lyt-3
Gene ID:	926
UniProt:	P10966
Pathways:	TCR Signaling

Application Details

Application Notes:	Flow cytometry: Recommended dilution: 1-4 µg/mL. Functional application: In vitro stimulation, in vivo depletion.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4
Preservative:	Azide free
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.



Flow Cytometry

Image 1. Flow cytometry surface staining pattern of rat splenocyte suspension stained using anti-rat CD8b (341) purified antibody (concentration in sample 1 µg/mL, GAM APC).

Flow Cytometry

Image 2. Separation of murine CD8b positive cells (red-filled) from CD8b negative cells (black-dashed) in flow cytometry analysis (surface staining) of murine splenocyte suspension stained using anti-rat CD8b (341) purified antibody (concentration in sample 1 µg/mL, GAM APC).