

ARG65386 anti-CD8b antibody [341]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [341] recognizes CD8b
Tested Reactivity	Rat
Tested Application	FACS, FuncSt, IHC-Fr, IP, WB
Specificity	The clone 341 (also known as 34.1) recognizes rat CD8b, the 32-34 kDa beta chain of the CD8 coreceptor, expressed on T cell subsets and some other cell types, such as macrophages.
Host	Mouse
Clonality	Monoclonal
Clone	341
Isotype	IgG1
Target Name	CD8b
Immunogen	CD8 positive Wistar rat splenic T cell hybridomas
Conjugation	Un-conjugated
Alternate Names	LY3; CD8B1; CD antigen CD8b; LEU2; T-cell surface glycoprotein CD8 beta chain; P37; LYT3

Application Instructions

Application table	Application	Dilution
	FACS	1.5 µg/ml
	FuncSt	Assay-dependent
	IHC-Fr	Assay-dependent
	IP	Assay-dependent
	WB	Assay-dependent
Application Note	Functional studies: Macrophage stimulation, in vitro blocking of allogenic responses. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

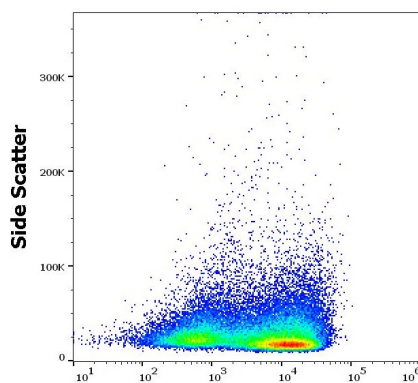
Form	Liquid
Purification	Purified from cell culture supernatant by protein-A affinity chromatography.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide

Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

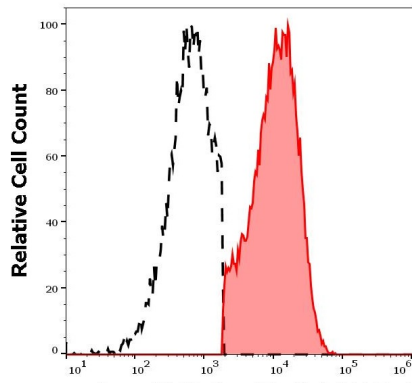
Database links	GeneID: 24931 Rat Swiss-port # P05541 Rat
Gene Symbol	Cd8b
Gene Full Name	CD8b molecule
Background	The CD8b (CD8 beta) subunit of CD8 T cell coreceptor is expressed in CD8 alpha/beta heterodimers on majority of MHC I-restricted conventional T cells and thymocytes and in CD8 alpha/alpha 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.
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. [UniProt]
Highlight	Related products: CD8 antibodies ; CD8 ELISA Kits ; CD8 Duos / Panels ; Anti-Mouse IgG secondary antibodies ; Related news: New antibody panels and duos for Tumor immune microenvironment Tumor-Infiltrating Lymphocytes (TILs)
Research Area	Immune System antibody
Calculated Mw	24 kDa
PTM	Phosphorylated as a consequence of T-cell activation.

Images



ARG65386 anti-CD8b antibody [341] FACS image

Flow Cytometry: Rat splenocytes suspension stained with ARG65386 anti-CD8b antibody [341] at 1 µg/ml dilution, followed by PE-conjugated Goat anti-Mouse antibody.



ARG65386 anti-CD8b antibody [341] FACS image

Flow Cytometry: Separation of Rat CD8b positive splenocytes (red-filled) from CD8b negative splenocytes (black-dashed). Rat splenocyte suspension stained with ARG65386 anti-CD8b antibody [341] at 1 µg/ml dilution, followed by PE-conjugated Goat anti-Mouse antibody.