

11-579-C025

Monoclonal Antibody to CD8a (mouse) Purified Antibody (0.025 mg)

Clone:	53-6.7
lsotype:	Rat IgG2a
Specificity:	The rat monoclonal antibody 53-6.7 recognizes mouse CD8a (32-34 kDa; alpha chain of the CD8 antigen).
Regulatory Status:	RUO
Immunogen:	Mouse spleen cells
Species Reactivity:	Mouse
Application:	Flow Cytometry Recommended dilution:1.5 µg/ml Immunoprecipitation Immunohistochemistry (paraffin sections) Immunohistochemistry (frozen sections) Recommended dilution: 1:1000 Application note: Formaldehyde fixation is not recommended, acetone fixation is preferred. Immunocytochemistry Functional Application Isolation and depletion of CD8+ cells, blocking of cytotoxicity, inhibition of CD8+ T cell proliferation.
Purity:	> 95% (by SDS-PAGE)
Purification:	Purified by protein-A affinity chromatography
Concentration:	1 mg/ml
Storage Buffer:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Storage / Stability:	Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
Expiration:	See vial label
Lot Number:	See vial label
Background:	The CD8a (CD8 alpha) 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 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.

For laboratory research only, not for drug, diagnostic or other use.



Antibodies

References:

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