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Datasheet for ABIN2749187 anti-CD8 alpha antibody

3 Images

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Overview

Quantity:	0.1 mg
Target:	CD8 alpha (CD8A)
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This CD8 alpha antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunoprecipitation (IP), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	Murine spleen cells
Clone:	53-6-7
lsotype:	IgG2a kappa
Specificity:	The rat monoclonal antibody 53-6.7 recognizes an extracellular epitope of murine CD8a (32-34 kDa, alpha chain of the CD8 antigen).
Cross-Reactivity (Details):	Mouse
Purification:	Purified by protein-G affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

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Target Details	
Target:	CD8 alpha (CD8A)
Alternative Name:	CD8a (CD8A Products)
Background:	CD8a molecule, 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.,Ly-2, Ly-B, Ly-35, Lyt-2, BB154331
Gene ID:	12525
UniProt:	P01731
Pathways:	TCR Signaling
Application Details	
Application Notes:	Flow cytometry: Recommended dilution: 1.5 µg/mL. Immunohistochemistry (frozen sections): Recommended dilution: 1:1000, formaldehyde fixation is not recommended, acetone fixation is preferred.
Restrictions:	For Research Use only
Handling	
Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

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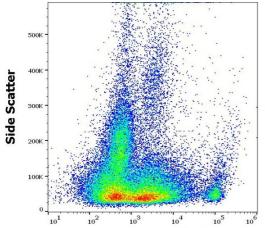
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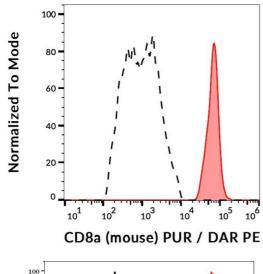
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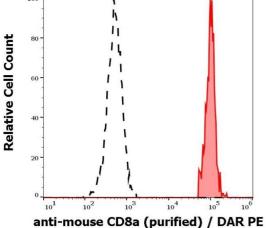
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There are more publications referencing this product on: Product page



anti-mouse CD8a (purified) / DAR PE





Flow Cytometry

Image 1. Flow cytometry surface staining pattern of murine splenocyte suspension stained using anti-mouse CD8a (53-6.7) purified antibody (concentration in sample 3 µg/mL) DAR PE.

Flow Cytometry

Image 2. Flow cytometry analysis (surface staining) of murine splenocytes with anti-CD8a (53-6.7) purified, DAR-PE.

Flow Cytometry

Image 3. Separation of murine CD8a positive splenocytes (red-filled) from myeloid cells (black-dashed) in flow cytometry analysis (surface staining) of murine splenocyte suspension stained using anti-mouse CD8a (53-6.7) purified antibody (concentration in sample 3 µg/mL) DAR PE.

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