

Datasheet for ABIN6941075

anti-CD8 alpha antibody (C-Term, Cytoplasmic Domain)[Go to Product page](#)**3** Images

Overview

Quantity:	100 µg
Target:	CD8 alpha (CD8A)
Binding Specificity:	C-Term, Cytoplasmic Domain
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD8 alpha antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (IHC), Immunofluorescence (IF), Staining Methods (StM)

Product Details

Immunogen:	A 13 amino acid peptide from C-terminal cytoplasmic domain of alpha chain of human CD8 molecule.
Clone:	C8-144B
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	CD8 alpha (CD8A)
Alternative Name:	CD8A (CD8A Products)

Target Details

Background:	CD8 is a cell surface receptor expressed either as a heterodimer with the CD8 beta chain (CD8 alpha/beta) or as a homodimer (CD8 alpha/alpha). A majority of thymocytes and a subpopulation of mature T cells and NK cells express CD8a. CD8 binds to MHC class 1 and through its association with protein tyrosine kinase p56lck plays a role in T cell development and activation of mature T cells. For mature T-cells, CD4 and CD8 are mutually exclusive, so anti-CD8, generally used in conjunction with anti-CD4. It is a useful marker for distinguishing helper/inducer T-lymphocytes, and most peripheral T-cell lymphomas are CD4+/CD8-. Anaplastic large cell lymphoma is usually CD4+ and CD8-, and in T-lymphoblastic lymphoma/leukemia, CD4 and CD8 are often co-expressed. CD8 is also found in littoral cell angioma of the spleen.
Molecular Weight:	32kDa
Gene ID:	925
UniProt:	P01732
Pathways:	TCR Signaling

Application Details

Application Notes:	Positive Control: HuT78 or hPBL. Tonsil. Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (0.5-1 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

Handling

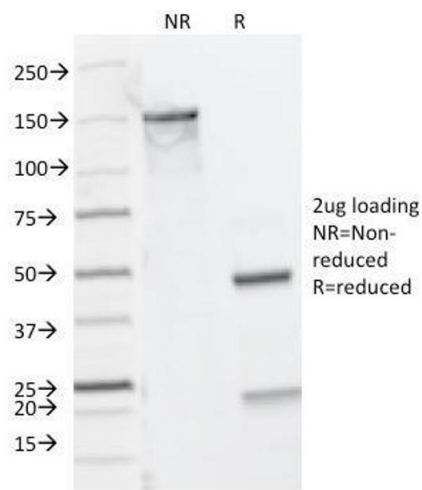
Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C

Handling

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

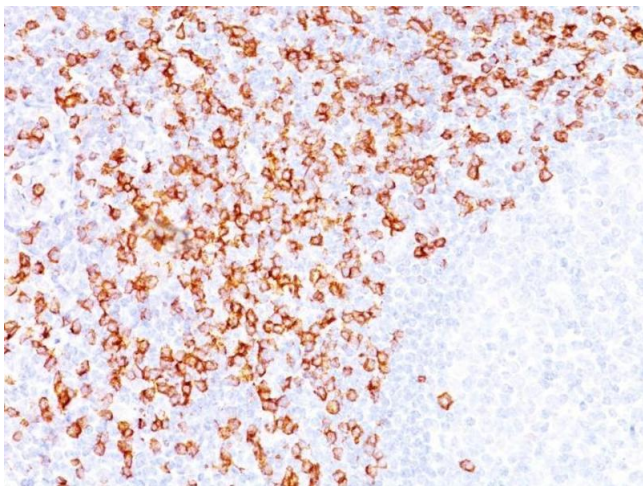
Expiry Date: 24 months

Images



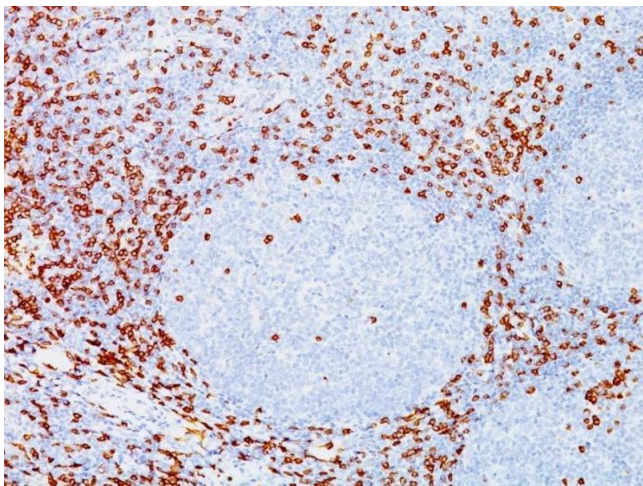
SDS-PAGE

Image 1. SDS-PAGE Analysis Purified CD8A Mouse Monoclonal Antibody (C8/144B). Confirmation of Purity and Integrity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Tonsil stained with CD8A Mouse Monoclonal Antibody (C8/144B).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Tonsil stained with CD8A Mouse Monoclonal Antibody (C8/144B).