

Datasheet for ABIN1387948
anti-CD8 alpha antibody (AA 51-150)[Go to Product page](#)

3 Images

2 Publications

Overview

Quantity:	100 µL
Target:	CD8 alpha (CD8A)
Binding Specificity:	AA 51-150
Reactivity:	Human, Rat, Chicken
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD8 alpha antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from rat CD8 alpha
Isotype:	IgG
Cross-Reactivity:	Chicken, Human, Rat
Purification:	Purified by Protein A.

Target Details

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

Target Details

Background:	Synonyms: T-cell surface glycoprotein CD8 alpha chain, CD8 antigen 32 kDa chain, OX-8 membrane antigen, CD8a Background: 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. CD8 alpha chains binds to class I MHC molecules alpha-3 domains.
Gene ID:	24930
UniProt:	P07725
Pathways:	TCR Signaling

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

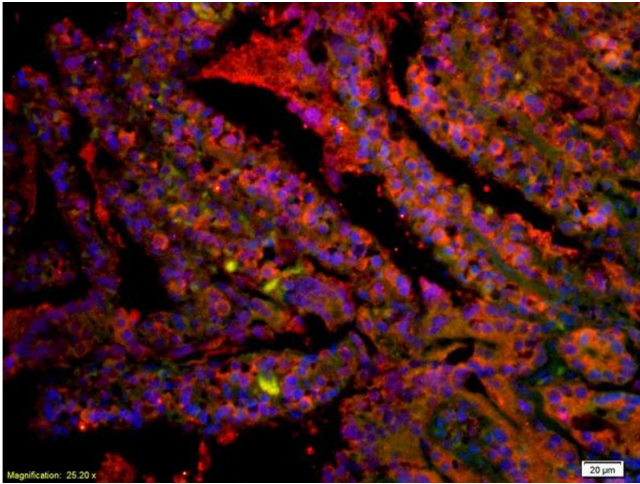
Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in: Savvatis, Müller, Fröhlich, Pappritz, Zietsch, Hamdani, Grote, Schieffer, Klingel, Van Linthout, Linke, Schultheiss, Tschöpe: "Interleukin-6 receptor inhibition modulates the immune reaction and restores titin phosphorylation in experimental myocarditis." in: **Basic research in cardiology**, Vol. 109, Issue 6, pp. 449, (2014) ([PubMed](#)).

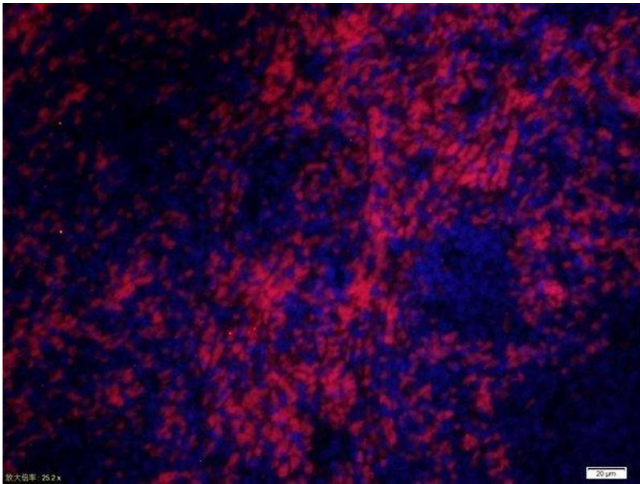
Cheng, Guo, Qiao, Liu, Nie, Li, Wang, Jiang: "T cell immunohistochemistry refines lung transplant acute rejection diagnosis and grading." in: **Diagnostic pathology**, Vol. 8, pp. 168, (2013) ([PubMed](#)).

Images



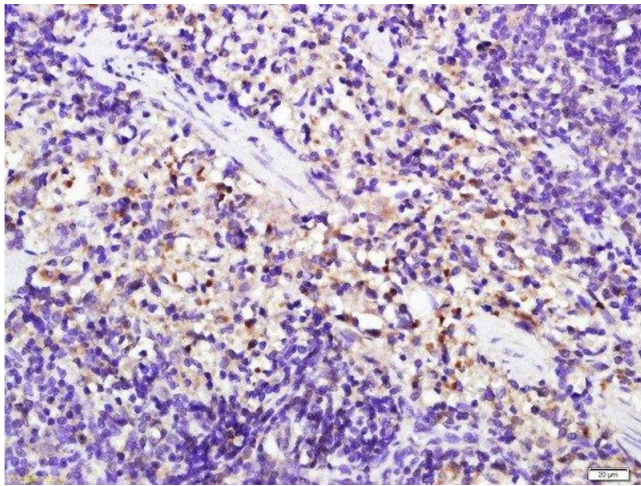
Immunofluorescence

Image 1. Formalin-fixed and paraffin embedded rat colon labeled with Anti-CD8 alpha Polyclonal Antibody, Unconjugated (ABIN1387948) at 1:200 followed by secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated used at 1:200 dilution for 40 minutes at 37°C. DAPI was used to stain the cell nuclei.



Immunofluorescence (Paraffin-embedded Sections)

Image 2. Paraformaldehyde-fixed, paraffin embedded rat spleen, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with CD8 alpha Polyclonal Antibody, Unconjugated at 1:200 overnight at 4°C, followed by a conjugated secondary Goat Anti-Rabbit IgG, Cy3 conjugated-Cy3)used at 1:200 dilution for 40 minutes at 37°C and DAPI staining.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Paraformaldehyde-fixed, paraffin embedded rat spleen, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with CD8 alpha Polyclonal Antibody, Unconjugated at 1:200 overnight at 4°C, followed by a conjugated secondary and DAB staining.