



Rabbit Anti-CD8 antibody

SL0648R

Product Name:	CD8
Chinese Name:	CD8抗体
Alias:	CD 8a; CD8 alpha chain; CD8; CD8 antigen alpha chain; CD8 antigen alpha polypeptide; CD8 antigen alpha polypeptide (p32); CD8a; CD8a antigen; CD8a molecule; CD8A_MOUSE; Leu 2; Leu2; Leu2 T lymphocyte antigen; MAL; OKT8 T cell antigen; OTTHUMP00000160760; OTTHUMP00000160764; OTTHUMP00000203528; OTTHUMP00000203721; p32; T cell antigen Leu2; T cell coreceptor; T cell coreceptor; T cell surface glycoprotein CD8 alpha chain; T lymphocyte differentiation antigen T8/Leu 2; T lymphocyte differentiation antigen T8/Leu2; T-cell surface glycoprotein CD8 alpha chain; T-lymphocyte differentiation antigen T8/Leu-2; T8 T cell antigen; Cd8a; Lyt-2; Lyt2.
文献引用 PubMed :	<p>Specific References(15) SL0648R has been referenced in 15 publications.</p> <p>[IF=3.64]He, Qiushan, et al. "Low-dose paclitaxel enhances the anti-tumor efficacy of GM-CSF surface-modified whole-tumor-cell vaccine in mouse model of prostate cancer." <i>Cancer Immunology, Immunotherapy</i> 60.5 (2011): 715-730.IHC-P;Mouse. PubMed:21331814</p> <p>[IF=3.06]Zhang, Wen, et al. "The role of CXCR3 in the induction of primary biliary cirrhosis." <i>Clinical and Developmental Immunology</i> 2011 (2011).IHC-P;Mouse. PubMed:21647407</p> <p>[IF=3.73]Lee M-F, Yang K-J, Wang NM, Chiu Y-T, Chen P-C, et al. (2014) The Development of a Murine Model for Forcipomyia taiwana (Biting Midge) Allergy. <i>PLoS ONE</i> 9(3): e91871IHC-P;Mouse. PubMed:24651257</p> <p>[IF=1.69]Jeong, Keun-Yeong, et al. "Combination of macrophage inflammatory protein</p>

1 alpha with existing therapies to enhance the antitumor effects on murine hepatoma." Journal of Radiation Research (2014): rru077.**WB;Mouse.**

[PubMed:25225286](#)

[IF=5.68] Ashraf, M. I., et al. "Exogenous Lipocalin 2 Ameliorates Acute Rejection in a Mouse Model of Renal Transplantation." American Journal of Transplantation (2015).**IHC-P;Mouse.**

[PubMed:26595644](#)

[IF=4.56] Kovtun, A., et al. "The crucial role of neutrophil granulocytes in bone fracture healing." European Cells and Materials 32 (2016):152-162.**IHC-P;Mouse.**

[PubMed:27452963](#)

[IF=3.69] Li, Yan, et al. "Immunogenic FEAT protein circulates in the bloodstream of cancer patients." Journal of Translational Medicine 14.1 (2016): 275.**IHC-P;Mouse.**

[PubMed:27659353](#)

[IF=2.16] Ju, Huanyu, et al. "An effective cytokine adjuvant vaccine induces autologous T-cell response against colon cancer in an animal model." BMC immunology 17.1 (2016): 31.**IHC-P;Mouse.**

[PubMed:27669687](#)

[IF=8.39] Wang, Raymond M., et al. "Humanized mouse model for assessing the human immune response to xenogeneic and allogeneic decellularized biomaterials." Biomaterials (2017).**IHC;Mouse.**

[PubMed:28334641](#)

[IF=2.37] Qiao, Xinwei, et al. "Increased expression of Tim-3 and its ligand Galectin-9 in rat allografts during acute rejection episodes." Biochemical and biophysical research communications 445.3 (2014): 542-548.**IHC-F;Rat.**

[PubMed:24508263](#)

[IF=1.99] Chuang, Meng-Hsien, et al. "The Chinese medicine JC-001 enhances the chemosensitivity of Lewis lung tumors to cisplatin by modulating the immune response." BMC Complementary and Alternative Medicine 17.1 (2017): 210.**IHC-P;Mouse.**

[PubMed:28399860](#)

[IF=1.41] Haffner-Luntzer, Melanie, et al. "The inflammatory phase of fracture healing is influenced by oestrogen status in mice." European Journal of Medical Research 22.1

	<p>(2017): 23.FCM;Mouse. PubMed:28683813</p> <p>[IF=1.26]Jaime-Ramirez, Alena C., et al. "Reolysin and Histone Deacetylase Inhibition in the Treatment of Head and Neck Squamous Cell Carcinoma." Molecular Therapy-Oncolytics 5 (2017): 87-96.IHC-P;Mouse. PubMed:0</p> <p>[IF=3.03]Willett, Emily S., et al. "Standardized Rat Model Testing Effects of Inflammation and Grafting on Extraction Healing." Journal of Periodontology (2017): 1-15.IHC;Rat. PubMed:28440741</p> <p>[IF=6.28]Kroner, Jochen, et al. "Mast cells are critical regulators of bone fracture-induced inflammation and osteoclast formation and activity." Journal of Bone and Mineral Research (2017).IHC-P;Mouse. PubMed:28777474</p>
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	27kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from mouse CD8:51-150/247<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell-cell interactions within the immune system. The CD8 antigen acts as a coreceptor with the T-cell receptor on the T lymphocyte to recognize antigens displayed by an antigen presenting cell in the context of class I MHC molecules. The coreceptor functions as either a homodimer composed of two alpha chains or as a

heterodimer composed of one alpha and one beta chain. Both alpha and beta chains share significant homology to immunoglobulin variable light chains. This gene encodes the CD8 alpha chain. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011].

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. CD8 alpha chains binds to class I MHC molecules alpha-3 domains.

Subunit:

In general heterodimer of an alpha and a beta chain linked by two disulfide bonds. Can also form homodimers.

Subcellular Location:

Membrane; Single-pass type I membrane protein.

Similarity:

Contains 1 Ig-like V-type (immunoglobulin-like) domain.

SWISS:

P01731

Gene ID:

12525

Database links:

[Entrez Gene: 925](#)Human

[Entrez Gene: 926](#)Human

[Entrez Gene: 12525](#)Mouse

[Entrez Gene: 12526](#)Mouse

[Omim: 186910](#)Human

[SwissProt: P01732](#)Human

[SwissProt: P10966](#)Human

[SwissProt: P01731](#)Mouse

[SwissProt: P10300](#)Mouse

[Unigene: 405667](#)Human

[Unigene: 85258](#)Human

[Unigene: 1858](#)Mouse

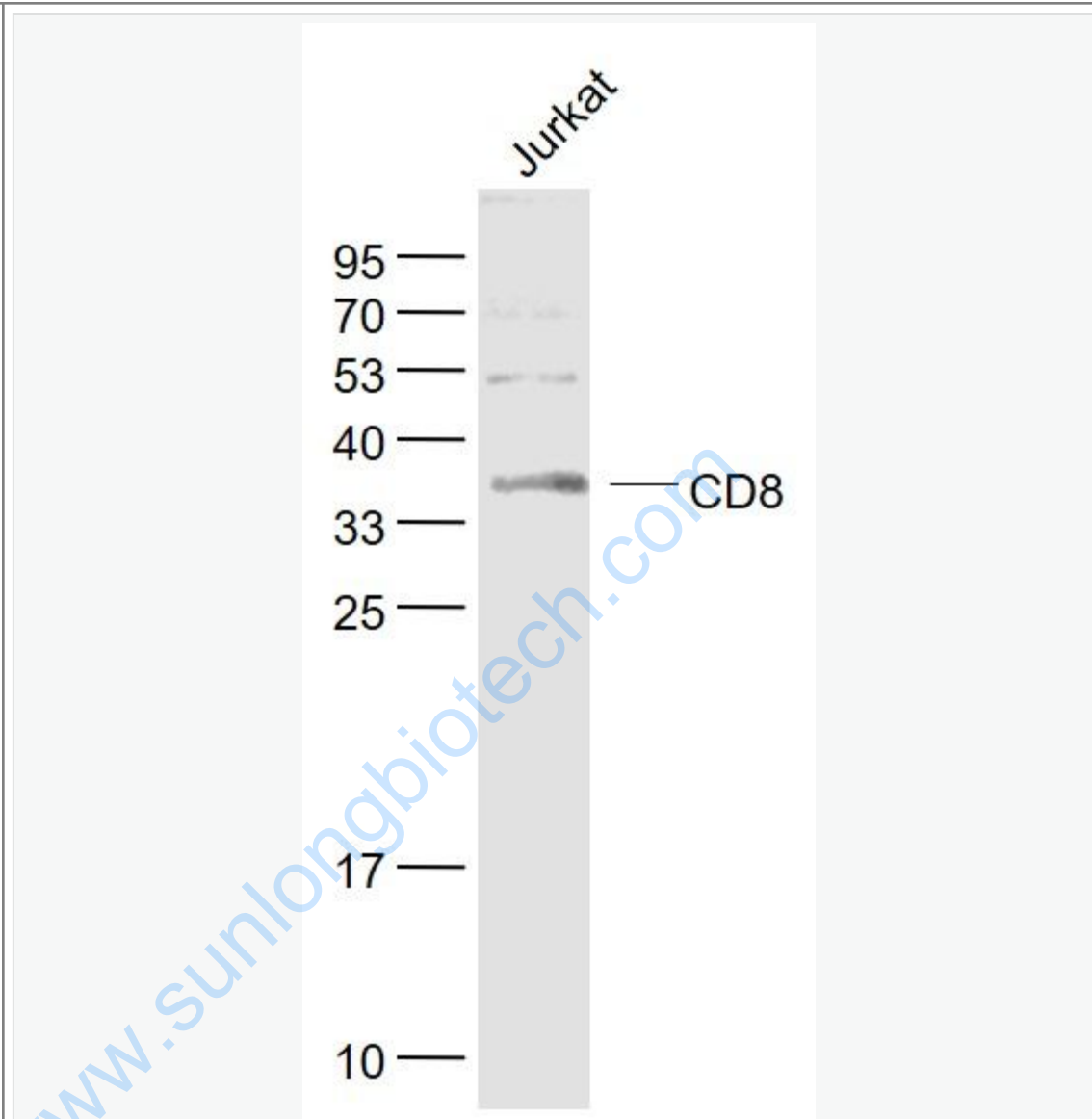
[Unigene: 333148](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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Picture:



Sample:

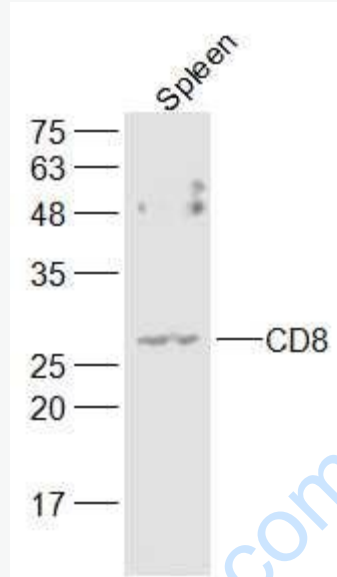
Jurkat(Human) Cell Lysate at 30 ug

Primary: Anti- CD8 (SL0648R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 27 kD

Observed band size: 36 kD



Sample:

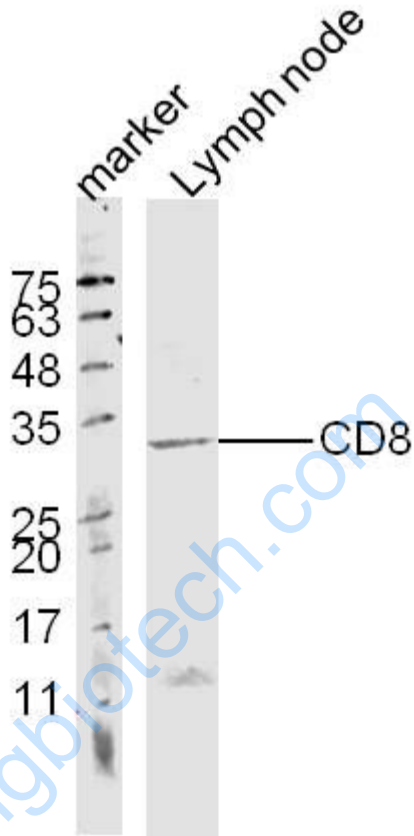
Spleen (Mouse) Lysate at 40 ug

Primary: Anti-CD8 (SL0648R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 27 kD

Observed band size: 27 kD



Sample: Lymph node(Mouse) Lysate at 30 ug

Primary: Anti-CD8(SL0648R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 27 kD

Observed band size: 32 kD

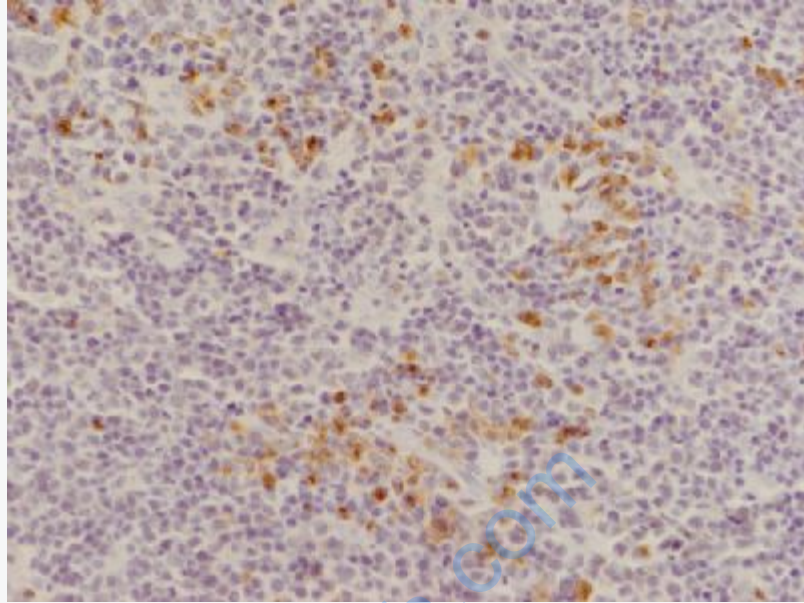
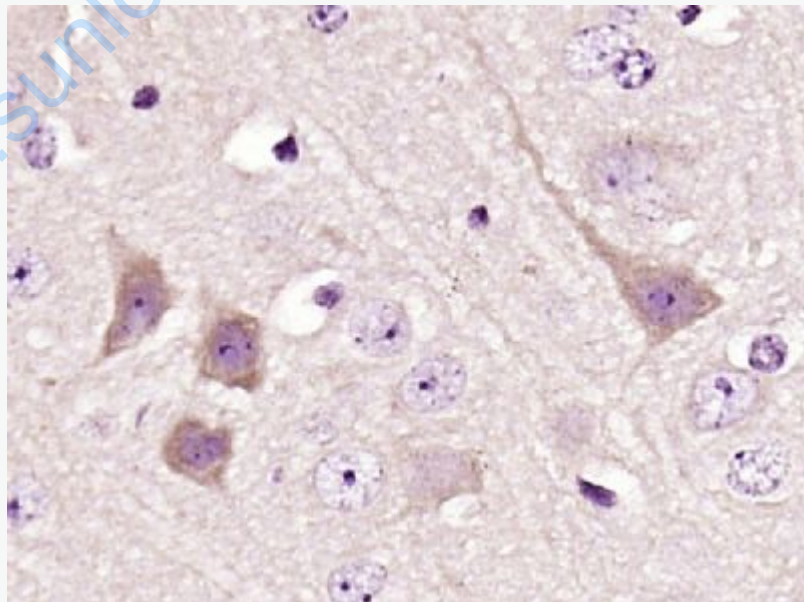


Image kindly submitted by Amy Beck as part of the free sample program. Formalin-fixed and paraffin embedded mouse spleen labeled with Rabbit Anti-CD8 Polyclonal Antibody, Unconjugated (SL0648R) at 1:250.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by

3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CD8) Polyclonal Antibody, Unconjugated (SL0648R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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