

Datasheet for ABIN671391
anti-CD8 antibody (AA 51-150)

7 Images

26 Publications

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Overview

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

Product Details

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

Target Details

Target:	CD8
Alternative Name:	CD8 (CD8 Products)

Target Details

Background:	Synonyms: Ly-2, Ly-B, Ly-35, Lyt-2, BB154331, T-cell surface glycoprotein CD8 alpha chain, T-cell surface glycoprotein Lyt-2, CD8a, Lyt2 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:	12525
UniProt:	P01731

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:

Kovtun, Bergdolt, Hägele, Matthes, Lambris, Huber-Lang, Ignatius: "Complement receptors C5aR1 and C5aR2 act differentially during the early immune response after bone fracture but are similarly involved in bone repair." in: **Scientific reports**, Vol. 7, Issue 1, pp. 14061, (2019) ([PubMed](#)).

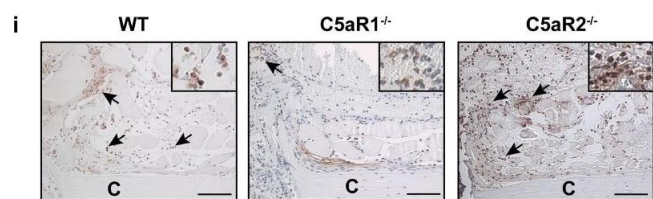
Wang, Sun, Zhang, Hu, Sun, Sheng, Fu: "Black tea and D. candidum extracts play estrogenic activity via estrogen receptor α -dependent signaling pathway." in: **American journal of translational research**, Vol. 10, Issue 1, pp. 114-125, (2018) ([PubMed](#)).

Rapp, Hachemi, Kemmler, Koenen, Tuckermann, Ignatius: "Induced global deletion of glucocorticoid receptor impairs fracture healing." in: **FASEB journal : official publication of the Federation of American Societies for Experimental Biology**, Vol. 32, Issue 4, pp. 2235-2245, (2018) ([PubMed](#)).

Schmid, Bouazzaoui, Schmid, Birner, Schach, Maier, Holler, Endemann: "Acute Renal Graft-Versus-Host Disease in a Murine Model of Allogeneic Bone Marrow Transplantation." in: **Cell transplantation**, Vol. 26, Issue 8, pp. 1428-1440, (2018) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)

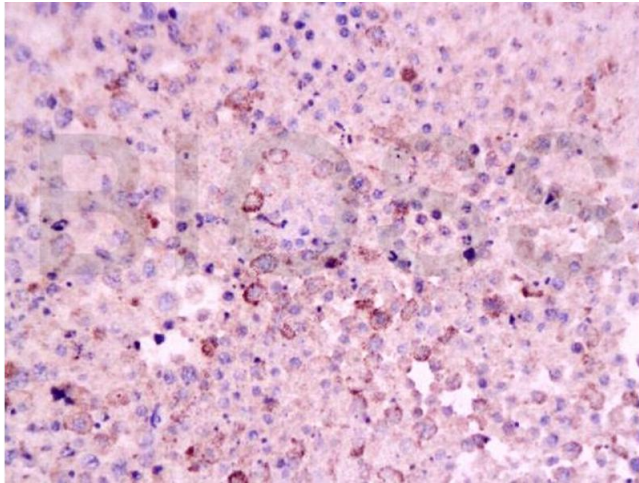
Images



Immunohistochemistry (Paraffin-embedded Sections)

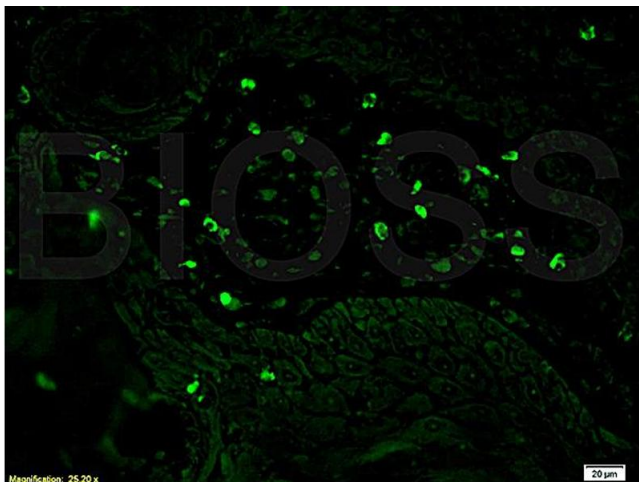
Image 1. Quantification and representative immunohistological staining of immune cells in the fracture haematoma/callus. Quantitative analysis of Ly-6G⁺ neutrophils in the fracture haematoma 1 (a) and 3 (b) days after trauma calculated in the periosteal area between the two inner pins of the external fixator. Representative neutrophil staining at day 1 (c). Quantitative analysis of F4/80⁺ macrophages in the fracture haematoma and callus calculated either in the endosteal area in direct proximity to the fracture gap 3 days after trauma (d) or in the periosteal callus 14 days after trauma (e). Representative macrophage staining at day 14 (f). Quantitative analysis of CD8⁺ cells in

the fracture haematoma 1 (g) and 3 (h) days after trauma calculated in the periosteal area between the two inner pins of the external fixator. Representative staining of T-cells at day 1 (i). Fx: mice with isolated fracture, Fx+TXT: mice with combined fracture and thoracic trauma. n=6, scale bar 100µm. *p<0.05, **p<0.01, ***p<0.001. - figure provided by CiteAb. Source: PMID29070810



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded mouse lymphoma tissue labeled Anti-CD8 Polyclonal Antibody, Unconjugated (ABIN671391) at 1:200, followed by conjugation to the secondary antibody and DAB staining



Immunofluorescence

Image 3. Formalin-fixed and paraffin embedded human oral squamous cell carcinoma labeled Anti-CD8 Polyclonal Antibody, Unconjugated (ABIN671391) at 1:200, followed by conjugation to the secondary antibody Goat Anti-Rabbit IgG, FITC conjugated used at 1:200 dilution for 40 minutes at 37°C.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN671391.