

## Anti-CD8 Cd8A Antibody (Monoclonal, CA-8)

Catalog Number: MA1017

### About CD8A

The human lymphocyte differentiation antigen CD8 is encoded by a single gene that gives rise to a 33- to 34-kDa glycoprotein expressed on the cell surface as a dimer and in higher molecular mass forms.

### Overview

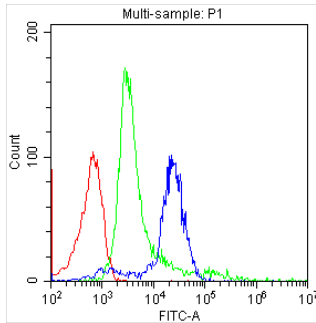
Product Name	Anti-CD8 Cd8A Antibody (Monoclonal, CA-8)
Reactive Species	Human
Description	Boster Bio Anti-CD8 Cd8A Antibody (Monoclonal, CA-8) catalog # MA1017. Tested in Flow Cytometry, IHC, ICC applications. This antibody reacts with Human.
Application	Flow Cytometry, IHC, ICC
Clonality	Monoclonal CA-8
Formulation	Mouse IgG in stabilizing components, 1.2% sodium acetate and 0.01mg NaN <sub>3</sub> .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	P01732

### Technical Details

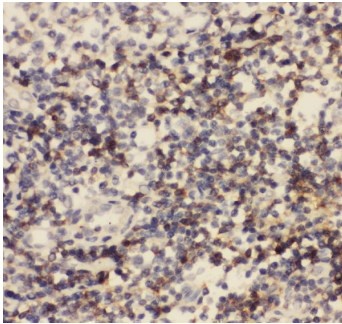
Immunogen	Human thymocytes followed by peripheral blood T cells.
Recommended Detection Systems	Boster recommends HRP Conjugated anti-Mouse IgG Super Vision Assay Kit (SV0001-1) for IHC(F) and ICC.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Mouse IgG2a
Form	Lyophilized
Concentration	Adding 1 ml of PBS buffer will yield a concentration of 100 ug/ml.
Purification	Ascites
Suggested Dilutions	Immunohistochemistry (Frozen Section), 1ug/ml, Human Immunocytochemistry, 0.5-1ug/ml, Human Flow Cytometry, 1-3ug/1x10 <sup>6</sup> cells, Human



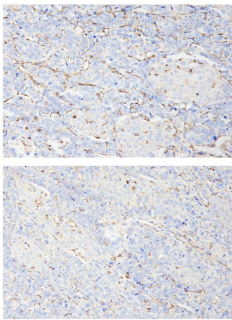
## Anti-CD8 Cd8A Antibody (Monoclonal, CA-8) (MA1017) Images



Flow Cytometry analysis of human PBMC cells using anti-CD8 antibody (MA1017). Overlay histogram showing human PBMC cells stained with MA1017 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with mouse anti-CD8 Antibody (MA1017, 1 $\mu$ g/1x10<sup>6</sup> cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-mouse IgG (BA1126, 5-10 $\mu$ g/1x10<sup>6</sup> cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was mouse IgG (1 $\mu$ g/1x10<sup>6</sup>) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IHC analysis of CD8 using anti-CD8 antibody (MA1017). CD8 was detected in paraffin-embedded section of human tonsil tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1 $\mu$ g/ml mouse anti-CD8 Antibody (MA1017) overnight at 4°C. Biotinylated goat anti-mouse IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC)(Catalog # SA1021) with DAB as the chromogen.



IHC analysis of CD8 using anti-CD8 antibody (MA1017). CD8 was detected in paraffin-embedded section of HepG2 xenograft tumor in nude mouse tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:200 mouse anti-CD8 Antibody (MA1017) overnight at 4°C. Two step IHC detection kit was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC)(Catalog # SA1021) with DAB as the chromogen.

## 5 Publications Citing This Product

1. PubMed ID: 25376933, Wu Y, Wang Y, Qi X, Zhang P, Zhang C, Zhang W. Nephron Exp Nephrol. 2014;128(1-2):46-56. Doi: 10.1159/000366446. Epub 2014 Nov 5. Increased Macrophage Activation Inhibited By Tacrolimus In The Kidney Of Diabetic Rats.
2. PubMed ID: 25816072, Xu Y, Tan X, Wang D, Wang W, Li Y, Wu M, Chen S, Wu Y, Tan C. Int J Mol Med. 2015 Jun;35(6):1501-10. Doi: 10.3892/ijmm.2015.2154. Epub 2015 Mar 24. Elevated Survivin Expression In Peripheral Blood Mononuclear Cells Is Central To Collateral Formati...
3. PubMed ID: 25609949, Wang X, Shi L, Tu Q, Wang H, Zhang H, Wang P, Zhang L, Huang Z, Zhao F, Luan H, Wang X. Int J Nanomedicine. 2015 Jan 6;10:347-55. Doi: 10.2147/ijnn.S71245. Ecollection 2015. Treating Cutaneous Squamous Cell Carcinoma Using 5-Aminolevulinic Acid Pol...

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