

## 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 ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN <sub>3</sub> as preservative.
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.
Predicted Reactive Species	Monkey
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	Dilute the sample so that the expected range of concentrations fall within the detection range of this

kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

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

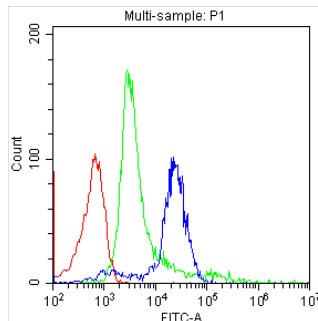


Figure 1. Flow Cytometry analysis of human PBMC cells using anti-CD8 antibody (MA1017). Overlay histogram showing human PBMC cells stained with MA1017 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with mouse anti-CD8 Antibody (MA1017, 1 $\mu$ g/1 $\times$ 10<sup>6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

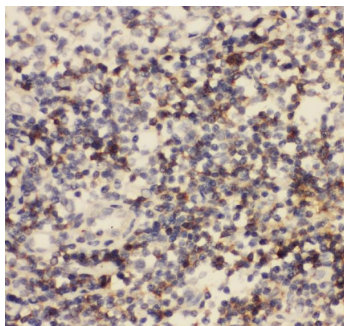


Figure 2. IHC analysis of CD8 using anti-CD8 antibody (MA1017). CD8 was detected in paraffin-embedded section of human tonsil tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The 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.

## 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/Ijn.S71245. Ecollection 2015. Treating Cutaneous Squamous Cell Carcinoma Using 5-Aminolevulinic Acid Pol...

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