

## Basic Information

<b>Product Name</b>	Anti-CD8A Antibody (Clone#CA-8)	
<b>Gene Name</b>	CD8A	
<b>Source</b>	Mouse	
<b>Clonality</b>	Monoclonal	
<b>Isotype</b>	IgG2a	
<b>Species Reactivity</b>	human	
<b>Tested Application</b>	FCM, IHC, ICC/IF	
<b>Contents</b>	200 ug/ml antibody with PBS , 0.02% NaN <sub>3</sub> , 1 mg BSA and 50% glycerol.	
<b>Immunogen</b>	Human thymocytes followed by peripheral blood T cells.	
<b>Concentration</b>	200 ug/ml	
<b>Purification</b>	Ascites	
<b>Dilution Ratios</b>	Immunohistochemistry (IHC): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 Flow cytometry (FCM): 1-3 µg/1x10 <sup>6</sup> cells (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

## Storage

12 months from date of receipt, -20°C as supplied.

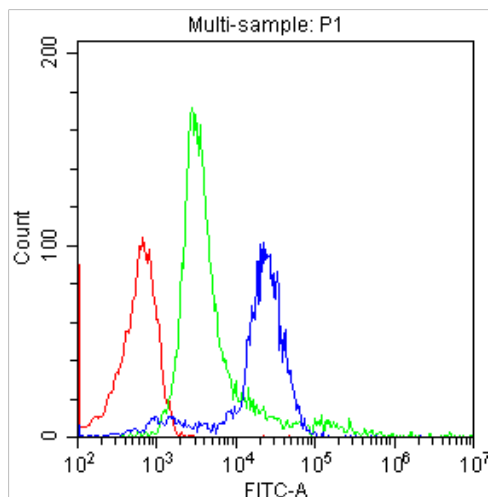
## Background Information

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.

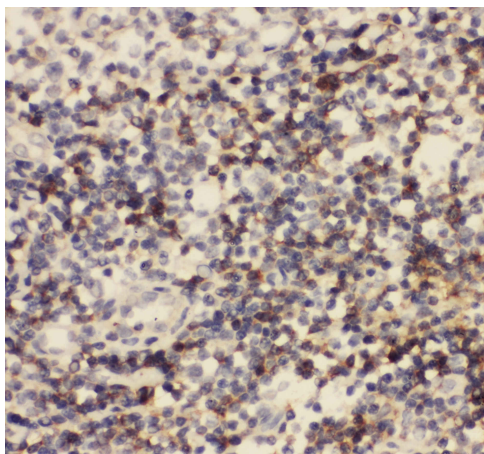
## Reference

Anti-CD8A Antibody (Clone#CA-8)被引用在1文献中。

## Selected Validation Data



Flow Cytometry analysis of human PBMC cells using anti-CD8 antibody (BM0216). Overlay histogram showing human PBMC cells stained with BM0216 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with mouse anti-CD8 Antibody (BM0216,  $1\mu\text{g}/1 \times 10^6$  cells) for 30 min at  $20^\circ\text{C}$ . DyLight®488 conjugated goat anti-mouse IgG (BA1126,  $5\text{--}10\mu\text{g}/1 \times 10^6$  cells) was used as secondary antibody for 30 minutes at  $20^\circ\text{C}$ . Isotype control antibody (Green line) was mouse IgG ( $1\mu\text{g}/1 \times 10^6$ ) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IHC analysis of CD8 using anti-CD8 antibody (BM0216). 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  $1\mu\text{g}/\text{ml}$  mouse anti-CD8 Antibody (BM0216) overnight at  $4^\circ\text{C}$ . Biotinylated goat anti-mouse IgG was used as secondary antibody and incubated for 30 minutes at  $37^\circ\text{C}$ . The tissue section was developed using Streptavidin-Biotin-Complex (SABC)(Catalog # SA1021) with DAB as the chromogen.