

Anti-CD8 alpha Antibody (1T746)

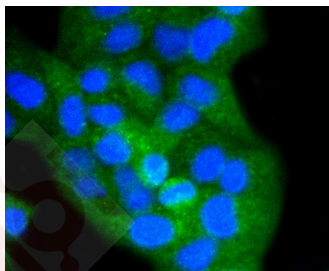
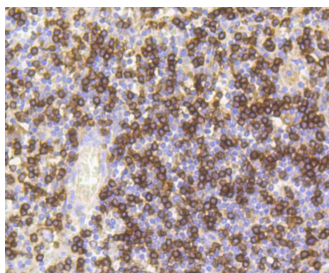
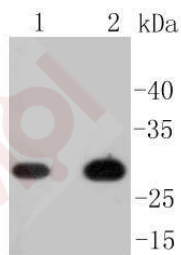
Product Details

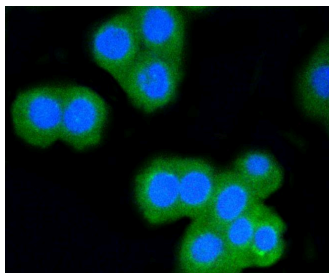
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|-------------------|------------------------|
| Ig Type: | IgG |
| Reactivity: | Human |
| Conjugation: | Unconjugated |
| Molecular Weight: | Theoretical: 26 kDa. |
| Clone: | 1T746 |
| Purification: | ProA affinity purified |

Applications

Verified Activity:

1. Western blot analysis of CD8 alpha on different lysates using anti-CD8 alpha antibody at 1/1,000 dilution. Positive control: Lane 1: Hela, Lane 2: Lovo.
2. Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-CD8 alpha antibody. Counter stained with hematoxylin.
3. ICC staining CD8 alpha in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
4. ICC staining CD8 alpha in CRC cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.





Application: ICC/IF,IHC,WB

Recommended WB: 1:1000-2000; IHC: 1:50-200; ICC/IF: 1:50-200

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P01732

Synonyms: CD8a molecule;CD8 α /CD8A;Lyt-2;Leu2;OKT8 T-cell antigen;p32;MAL;CD8a;CD8

Research Background

The T cell receptor (TCR) is a heterodimer composed of either α and β or γ and δ chains. CD3 chains and the CD4 or CD8 (CD8- α and CD8- β) co-receptors are also required for efficient signal transduction through the TCR. The TCR is expressed on T helper and T cytotoxic cells that can be distinguished by their expression of CD4 and CD8 proteins; T helper cells express CD4 proteins and T cytotoxic cells display CD8 proteins. CD8s are cell surface glycoproteins that exist as two chain complex ($\alpha\alpha$ or $\alpha\beta$) receptors that bind class I MHC molecules presented by the antigen-presenting cell (APC). A primary function of CD8 proteins is to facilitate antigen recognition by the TCR and to strengthen the avidity of the TCR-antigen interactions. An additional role for CD8-expressing T cells may be to maintain low levels of HIV expression.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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