

## CD8 $\alpha$ polyclonal antibody

Catalog: BS90260

Host: Rabbit

Reactivity: Human

### BackGround:

The T cell receptor (TCR) is a heterodimer composed of either  $\alpha$  and  $\beta$  or  $\gamma$  and  $\delta$  chains. CD3 chains and the CD4 or CD8 (CD8- $\alpha$  and CD8- $\beta$ ) 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.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

26 kDa

### Swiss-Prot:

P01732(Human)

### Purification&Purity:

ProA affinity purified

### Applications:

WB:1:1,000-1:2,000

ICC:1:50-1:200

IHC:1:50-1:200

### Storage&Stability:

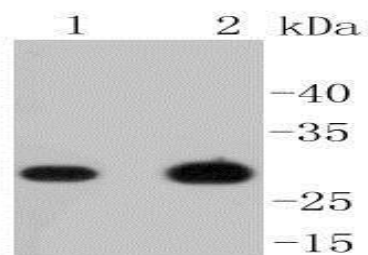
Store at +4 °C after thawing. Aliquot store at -20 °C or

-80 °C. Avoid repeated freeze / thaw cycles.

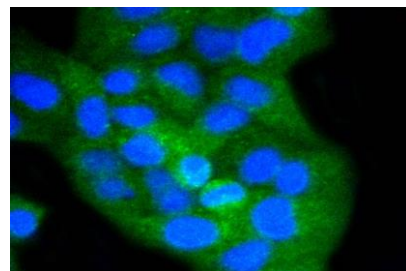
### Specificity:

CD8  $\alpha$  polyclonal antibody detects endogenous levels of CD8  $\alpha$  protein.

### DATA:



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



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.

### Note:

For research use only, not for use in diagnostic procedure.

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