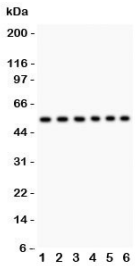
CD8 Antibody (alpha) (R31662)

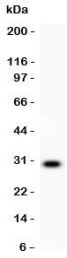
Catalog No.	Formulation	Size
R31662	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

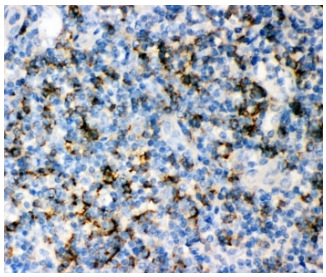
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
Gene ID	925
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 0.5-1ug/ml
Limitations	This CD8 antibody is available for research use only.



Western blot testing of CD8 antibody and Lane 1: Jurkat; 2: Raji; 3: HL-60; 4: A549; 5: COLO320; 6: HeLa lysate; Predicted molecular weight ~34 kDa; Observed molecular weight: 34~60 kDa depending on glycosylation level.



Western blot testing of CD8 antibody and recombinant human protein (0.5ng).



IHC-P: CD8 antibody testing of human tonsil tissue.

Description

CD8 is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell-cell interactions within the immune system. It is mapped to 2p11.2. CD8, acting as a coreceptor, and the T-cell receptor on the T lymphocyte recognize antigen displayed by an antigen presenting cell (APC) in the context of class I MHC molecules. The functional coreceptor is either a homodimer composed of two alpha chains, or a heterodimer composed of one alpha and one beta chain. Both alpha and beta chains share significant homology to immunoglobulin variable light chains.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the CD8 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (AA 22-187) was used as the immunogen for this CD8 antibody. This amino acid sequence is from the alpha subunit.

Storage

After reconstitution, the CD8 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.