

## Cd8 alpha Antibody (RQ4104)

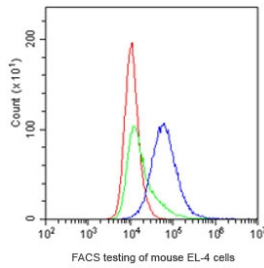
Catalog No.	Formulation	Size
RQ4104	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

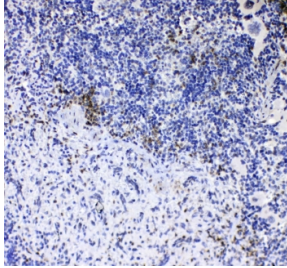
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	P01731
<b>Localization</b>	Cytoplasmic, membrane, secreted
<b>Applications</b>	Western Blot : 0.5-1ug/ml IHC (FFPE) : 1-2ug/ml Flow Cytometry : 1-3ug/10 <sup>6</sup> cells Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This Cd8 alpha antibody is available for research use only.



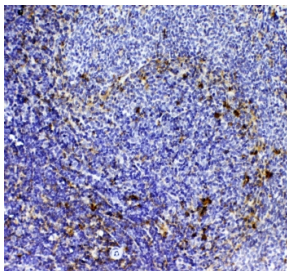
Western blot testing of 1) rat spleen and 2) rat thymus with Cd8a antibody at 0.5ug/ml.  
Expected molecular weight: 26-40 kDa depending on glycosylation level.



FACS testing of mouse EL-4 cells with Cd8a antibody at 1ug/ $10^6$  cells; blue=Cd8a antibody, green=isotype control, red=cells alone.



IHC testing of FFPE mouse spleen tissue with Cd8a antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE rat spleen tissue with Cd8a antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.

## Description

The CD8 antigen 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. The CD8 antigen, 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. This gene also encodes the CD8 alpha chain isoforms.

## Application Notes

Optimal dilution of the Cd8 alpha antibody should be determined by the researcher.

## Immunogen

A recombinant mouse partial protein corresponding to amino acids K28-Y196 was used as the immunogen for the Cd8 alpha antibody.

## Storage

After reconstitution, the Cd8 alpha antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

