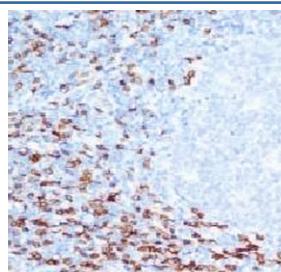


## CD8a Antibody [clone CLDA8a-1] (V7034)

Catalog No.	Formulation	Size
V7034-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7034-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7034SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7034IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

[Bulk quote request](#)

<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	CLDA8a-1
<b>Purity</b>	Protein G affinity chromatography
<b>Buffer</b>	1X PBS, pH 7.4
<b>Gene ID</b>	925
<b>Localization</b>	Cell surface
<b>Applications</b>	Immunohistology (FFPE) : 1-2ug/ml for 30 min at RT (1) Prediluted IHC Only Format : incubate for 30 min at RT (2)
<b>Limitations</b>	This CD8a antibody is available for research use only.



IHC analysis of FFPE human tonsil and CD8a antibody (clone CLDA8a-1). Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.

## Description

CD8 is a cell surface receptor expressed either as a heterodimer with the beta chain or as a homodimer. A majority of thymocytes and a subpopulation of mature Tcells and NK cells express CD8a. It binds to MHC class 1 and through its association with protein tyrosine kinase p56lck plays a role in Tcell development and activation of mature Tcells. For mature Tcells, CD8 and 4 are mutually exclusive, so antibody to CD8 is generally used in conjunction with antibody to CD4. CD8a antibody is a useful marker for distinguishing helper/inducer T-lymphocytes, and most peripheral Tcell lymphomas are CD4+/CD8-. Anaplastic large cell lymphoma is usually CD4+/CD8-, and in T-lymphoblastic lymphoma/leukemia, they are often co-expressed. It is also found in littoral cell angioma of the spleen.

## Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the CD8a antibody to be titered up or down for optimal performance.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## Immunogen

Human recombinant protein was used as the immunogen for this CD8a antibody.

## Storage

CD8a antibody with azide can be stored at 2-8oC. The azide-free format should be aliquoted and stored at -20oC or colder.

## References (1)