

Product Datasheet

CD8A Antibody (orb2637581)

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.
Species/Host	Mouse
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	IF, IHC-P
Immunogen	Human recombinant protein was used as the immunogen for this CD8a antibody.
Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin (US sourced) and 0.05% sodium azide
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only

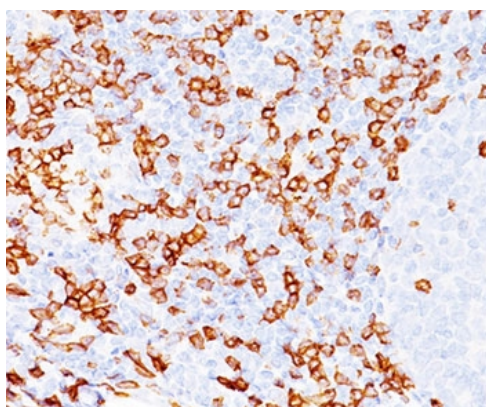
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Application notes	The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the CD8a antibody to be titered up or down for optimal performance.1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes.2. 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.
Formula	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide
Isotype	Mouse IgG1, kappa
Clonality	Monoclonal
Clone Number	C8/468
Antibody Type	Primary Antibody
Purity	Protein G affinity chromatography
Uniprot ID	P01732
Hazard Information	This CD8a antibody is available for research use only.
Entrez	925
Dilution Range	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT,Immunofluorescence: 1-2ug/ml
Expiration Date	12 months from date of receipt.



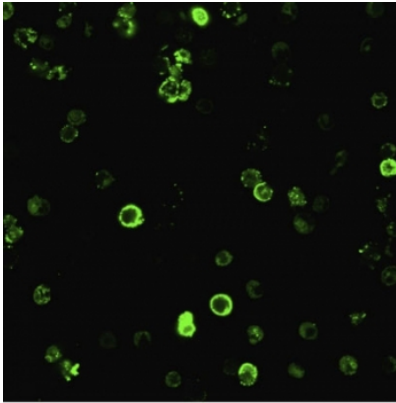
IHC testing of FFPE human tonsil (20X) stained with CD8a antibody (C8/468). Note cell surface staining.

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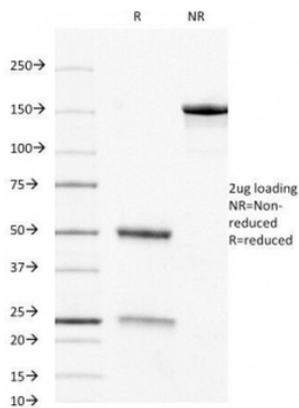
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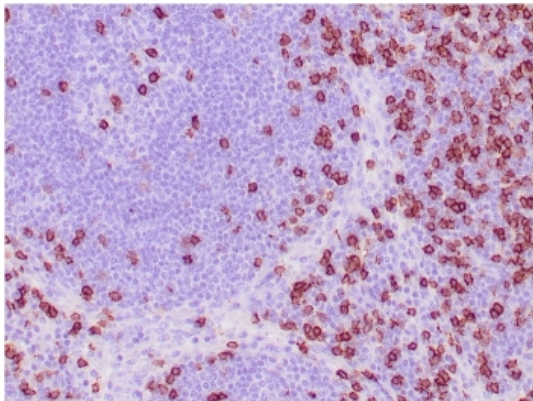
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Immunofluorescent staining of human PBMC with CD8a antibody (clone C8/468).



SDS-PAGE analysis of purified, BSA-free CD8a antibody (clone C8/468) as confirmation of integrity and purity.



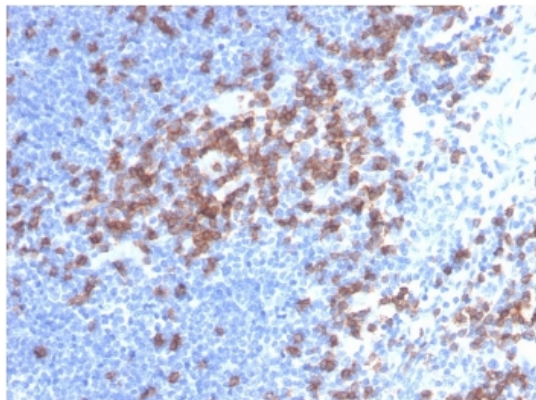
IHC staining of FFPE human tonsil tissue with CD8a antibody (clone C8/468). HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

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IHC staining of FFPE human lymph node tissue with CD8a antibody (clone C8/468). HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

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