

Product Datasheet

CD8A Antibody (orb2644499)

Description	The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that serves as a coreceptor for TCR recognition of MHC class I associated peptides and supports CTL activation by binding to the MHC, while making no direct contact with the peptide. CD8 is expressed on cytotoxic suppressor T cells. It is expressed as a heterodimer of CD8 occasionally positive cells were also identified within germinal centers and within the investing squamous epithelium. In other tissues, only lymphoid cells and cells of histiocyte lineage showed positive staining for CD8.
Species/Host	Rabbit
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	IHC-P
Immunogen	A portion of amino acids 135-235 from the human protein was used as the immunogen for the recombinant CD8A antibody.
Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin (US sourced), 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
Application notes	Optimal dilution of the recombinant CD8A antibody should be determined by the researcher.
Formula	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide
Isotype	Rabbit IgG
Clonality	Recombinant
Clone Number	CD8/4391R

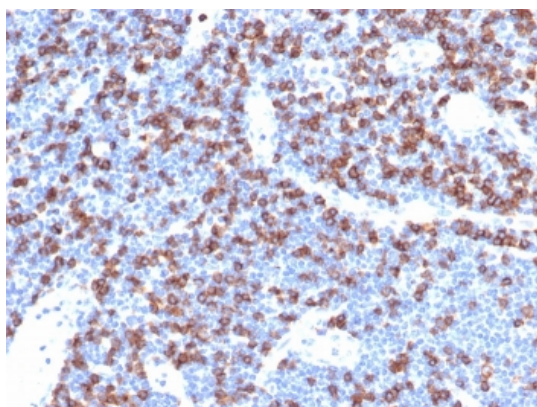
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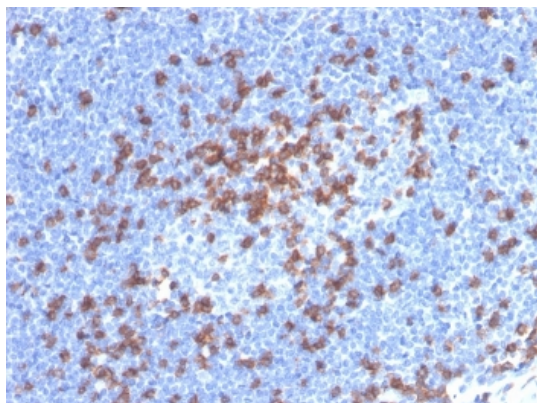
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Antibody Type	Primary Antibody
Purity	Protein A affinity chromatography
Uniprot ID	P01732
Hazard Information	This recombinant CD8A antibody is available for research use only.
Dilution Range	Immunohistochemistry (FFPE): 1-2ug/ml for 30 minutes at RT
Expiration Date	12 months from date of receipt.



IHC staining of FFPE human lymph node tissue with recombinant CD8A antibody (clone CD8/4391R). HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



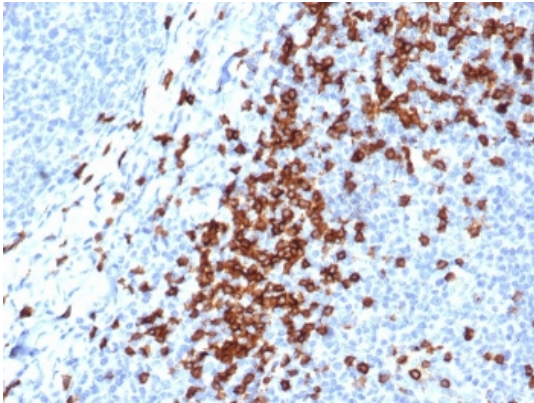
IHC staining of FFPE human lymph node tissue with recombinant CD8A antibody (clone CD8/4391R). HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

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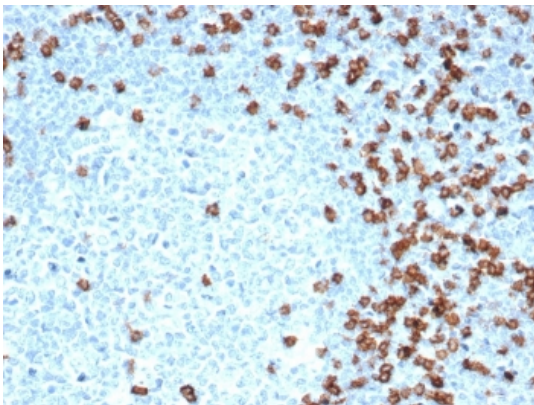
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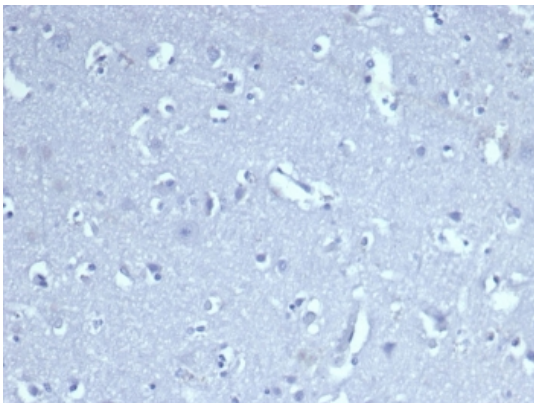
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IHC staining of FFPE human tonsil tissue with recombinant CD8A antibody (clone CD8/4391R). HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



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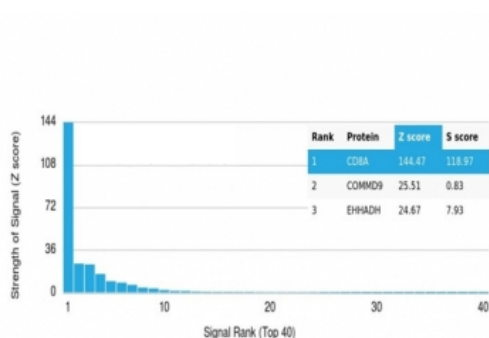
Negative control: IHC staining of FFPE human brain tissue with recombinant CD8A antibody (clone CD8/4391R). HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

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Analysis of HuProt (TM) microarray containing more than 19000 full-length human proteins using recombinant CD8A antibody (clone CD8/4391R). These results demonstrate the foremost specificity of the CD8/4391R mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt (TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt (TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.

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