

## Product Datasheet

# Recombinant CD8 Antibody (alpha chain) / Rabbit Monoclonal (orb2640339)

<b>Catalog Number</b>	orb2640339
<b>Category</b>	Antibodies
<b>Description</b>	<p>CD8 is a cell surface receptor expressed either as a heterodimer with the CD8 beta chain (CD8 alpha/beta) or as a homodimer (CD8 alpha/alpha). A majority of thymocytes and a subpopulation of mature T cells and NK cells express CD8a. CD8 binds to MHC class 1 and through its association with protein tyrosine kinase p56lck plays a role in T cell development and activation of mature T cells. For mature T-cells, CD4 and CD8 are mutually exclusive, so anti-CD8, generally used in conjunction with anti-CD4. It is a useful marker for distinguishing helper/inducer T-lymphocytes, and most peripheral T-cell lymphomas are CD4+/CD8-. Anaplastic large cell lymphoma is usually CD4+ and CD8-, and in T-lymphoblastic lymphoma/leukemia, CD4 and CD8 are often co-expressed. CD8 is also found in littoral cell angioma of the spleen.</p>
<b>Clonality</b>	Recombinant
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	Rabbit IgG, kappa
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human
<b>Buffer/Preservatives</b>	Prediluted in 1X PBS, 0.1 mg/ml rAlbumin, 0.05% sodium azide; For IHC use only
<b>Purification</b>	Protein A affinity chromatography
<b>Immunogen</b>	Recombinant full-length human CD8a protein was used as immunogen for this recombinant CD8 antibody.

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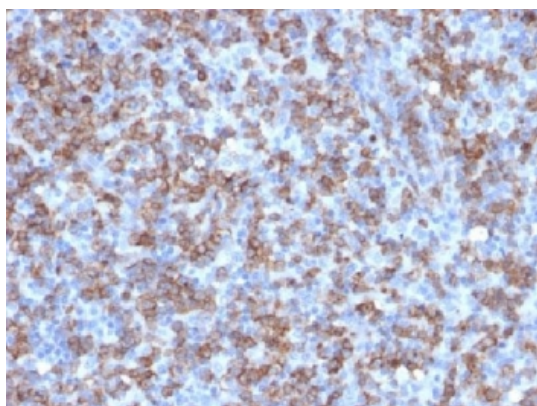
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<b>UniProt ID</b>	<b>P01732</b>
<b>Tested applications</b>	IHC-P
<b>Dilution range</b>	The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.
<b>Application notes</b>	The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the recombinant CD8 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.
<b>Antibody Type</b>	Primary Antibody
<b>Clone Number</b>	C8/1779R
<b>Storage</b>	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.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.



IHC testing of FFPE human lymphoma with recombinant CD8 antibody (clone C8/1779R). Required HIER: boil tissue sections in 10mM citrate buffer, pH6, for 10-20 min followed by cooling at RT for 20 min.

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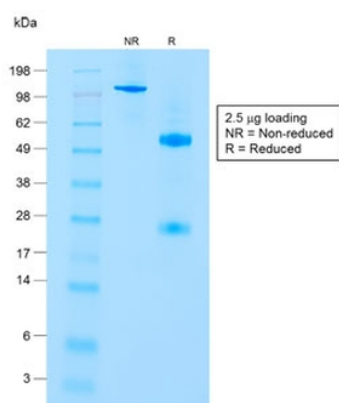
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SDS-PAGE analysis of purified, BSA-free recombinant CD8 antibody (clone C8/1779R) as confirmation of integrity and purity.

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