

## 36-3517: Anti-CD8A (Cytotoxic- & Suppressor T-Cell Marker) Monoclonal Antibody(Clone: C8/1779R)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	C8/1779R
<b>Application :</b>	IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	CD8A
<b>Gene ID :</b>	925
<b>Uniprot ID :</b>	P01732
<b>Alternative Name :</b>	CD8 antigen, alpha polypeptide (p32), T8/Leu-2 T-lymphocyte differentiation antigen, Ly3, LYT3, MAL, T-cell surface glycoprotein CD8 alpha chain
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Recombinant full-length human CD8a protein

### Description

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 angiosarcoma of the spleen.

### Product Info

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	200 µg/ml of recombinant MAb Purified by Protein A. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
<b>Storage condition :</b>	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

### Application Note

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues is enhanced by heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0 for 45 min at 95°C followed by cooling at RT for 20 minutes)

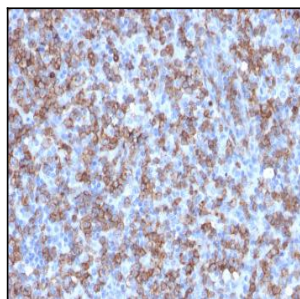


Fig. 1: Formalin-fixed, paraffin-embedded human Lymphoma stained with CD8a Rabbit Recombinant Monoclonal Antibody (C8/1779R).

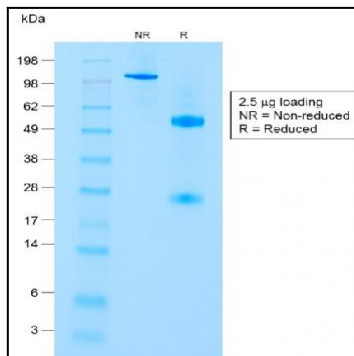


Fig. 2: SDS-PAGE Analysis of Purified CD8a Rabbit Recombinant Monoclonal Antibody (C8/1779R).