

12-1048: Recombinant Rabbit Monoclonal Antibody to CD8A (Cytotoxic- & Suppressor T-Cell Marker)(Clone : C8/1779R)

Clonality :	Monoclonal
Clone Name :	C8/1779R
Application :	IHC
Reactivity :	Human
Gene :	CD8A
Gene ID :	925
Uniprot ID :	P01732
Format :	Purified
Alternative Name :	CD8 antigen, alpha polypeptide (p32), T8/Leu-2 T-lymphocyte differentiation antigen, Ly3, LYT3, MAL, T-cell surface glycoprotein CD8 alpha chain
Isotype :	Rabbit IgG
Immunogen Information :	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 angioma of the spleen.

Product Info

Amount :	20 µg / 100 µg
Purification :	Purified Ab with BSA and Azide at 200ug/ml
Content :	200ug/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.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Immunohistochemistry (Formalin-fixed) (1-2 µg/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)

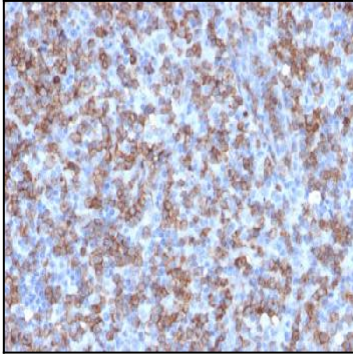


Figure 1: Formalin-fixed, paraffin-embedded human Lymphoma stained with CD8a Rabbit Recombinant Monoclonal Antibody (C8/1779R).

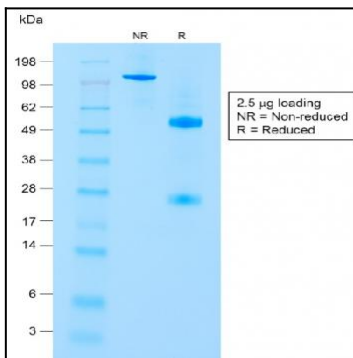


Figure 2: SDS-PAGE Analysis of Purified CD8a Rabbit Recombinant Monoclonal Antibody (C8/1779R).