

## 12-1048: Recombinant Rabbit Monoclonal Antibody to CD8A (Cytotoxic- & Suppressor T-Cell Marker)(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>Format :</b>                | Purified   |
| <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 angioma of the spleen.

### Product Info

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 20 µg / 100 µg  |
| <b>Purification :</b>      | Purified Ab with BSA and Azide at 200ug/ml  |
| <b>Content :</b>           | 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. |
| <b>Storage condition :</b> | 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)

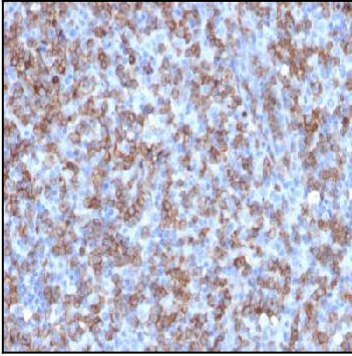


Figure 1: Formalin-fixed, paraffin-embedded human Lymphoma stained with CD8a Rabbit Recombinant Monoclonal Antibody (C8/1779R).

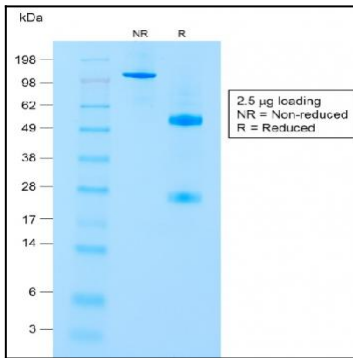


Figure 2: SDS-PAGE Analysis of Purified CD8a Rabbit Recombinant Monoclonal Antibody (C8/1779R).