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36-1876: Monoclonal Antibody to CD8A (Cytotoxic- & Suppressor T-Cell Marker)(C8/468 + C8/144B)

Clonality: Monoclonal

Clone Name: C8/468 + C8/144B

Application: IHC
Reactivity: Human
Gene: CD8A
Gene ID: 925
Uniprot ID: P01732
Format: Purified
Alternative Name: CD8A.MAL

Isotype: Mouse IgG1, kappa + Mouse IgG1, kappa

Immunogen Information: Human CD8 recombinant protein (C8/468); A 13 amino acid synthetic peptide from the C-

terminal cytoplasmic domain of alpha chain of human CD8 molecule (C8/144B)

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 : 100 μg

Purification: Affinity Chromatography

Content: 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

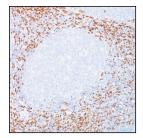
toxic.

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) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires 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);



Formalin-fixed, paraffin-embedded human Tonsil stained with CD8 Monoclonal Antibody (C8/468 + C8/144B).