

36-1875: Monoclonal Antibody to CD8A (Cytotoxic / Suppressor T-Cell Marker)(Clone : C8/144B)

Clonality :	Monoclonal
Clone Name :	C8/144B
Application :	FACS,IF,IHC
Reactivity :	Human
Gene :	CD8A
Gene ID :	925
Uniprot ID :	P01732
Format :	Purified
Alternative Name :	CD8A,MAL
Isotype :	Mouse IgG1, kappa
Immunogen Information :	A 13 amino acid peptide from C-terminal cytoplasmic domain of alpha chain of human CD8 molecule.

Description

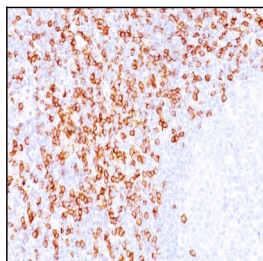
CD8 is a cell surface receptor expressed either as a heterodimer with the CD8 beta chain (CD8 alpha / beta) or as a homodimer (CD8 alpha / alpha). A majority of thymocytes and a subpopulation of mature T cells and NK cells express CD8a. CD8 binds to MHC class 1 and through its association with protein 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 angiomatosis 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

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); 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 (C8/144B).