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36-3513: Anti-CD8A (Cytotoxic- & Suppressor T-Cell Marker) Monoclonal Antibody(Clone: UCHT4)

Clonality :	Monoclonal
Clone Name :	UCHT4
Application :	FACS
Reactivity :	Human
Gene :	CD8A
Gene ID :	925
Uniprot ID :	P01732
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 :	Mouse IgG2a, kappa
Immunogen Information :	Thymocytes followed by Sezary T cells.

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 throÂµgh 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. This MAb binds to the CD8 alpha chain, at an epitope distinct from that recognized by UCHT14.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	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

Flow Cytometry (1-2ug/million cells);

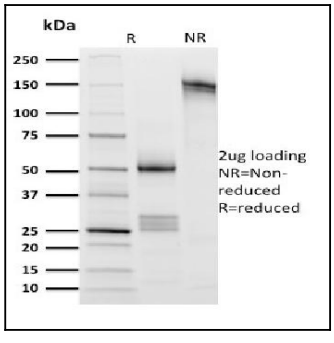

Fig. 1: SDS-PAGE Analysis Purified CD8 Mouse Monoclonal Antibody (UCHT4). Confirmation of Purity and Integrity of Antibody.

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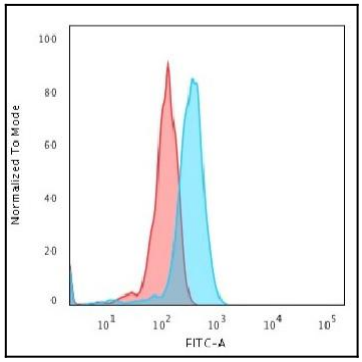

Fig. 2: Flow Cytometric Analysis of Jurkat cells. CD8 Mouse Monoclonal Antibody (UCHT4) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).