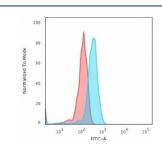


CD8a Antibody [clone UCHT4] (V8216)

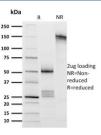
Catalog No.	Formulation	Size
V8216-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8216-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8216SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	UCHT4
Purity	Protein G affinity chromatography
UniProt	P01732
Localization	Cell surface
Applications	Flow Cytometry : 1-2ug/10^6 cells in 0.1ml
Limitations	This CD8a antibody is available for research use only.



Flow cytometry testing of human Jurkat cells with CD8a antibody (clone UCHT4); Red=isotype control, Blue= CD8a antibody.



SDS-PAGE analysis of purified, BSA-free CD8a antibody (clone UCHT4) as confirmation of integrity and purity.

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.

Application Notes

Optimal dilution of the CD8a antibody should be determined by the researcher.

Immunogen

Thymocytes followed by Sezary T cells were used as the immunogen for the CD8a antibody.

Storage

Store the CD8a antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).