

Product datasheet

anti-CD8a mouse monoclonal, 143-44, purified

Short overview

Cat. No.	691556
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1 kappa
Clone	143-44
Immunogen	Human PBL
Formulation	PBS with 0.02% sodium azide
UniprotID	P01732 (Human)
Synonym	T-cell surface glycoprotein CD8 alpha chain, T-lymphocyte differentiation antigen T8/Leu-2, CD antigen CD8a, CD8A, MAL
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	FACS, ICC/IF, IHC
Reactivity	Human

Applications

Flow Cytometry (FACS)	0.5-1.0 µg/million cells in 0.1 ml
Immunocytochemistry (ICC)	1:100-1:200 (0.5-1.0 µg/ml)
Immunohistochemistry (IHC) - frozen	1:50-1:100 (1-2 µg/ml)
Immunohistochemistry (IHC) - paraffin	1:50-1:100 (1-2 µg/ml; microwave treatment in 10 mM citrate buffer pH 6.0 recommended)

Background

143-44 recognizes a protein of 32 kDa, identified as CD8a. The CD8 molecule consists of alpha and beta chains, which are disulphide-linked into heterodimers or homodimers. CD8 is expressed on a T-cell subset (cytotoxic/suppressor T-cells), thymocytes and NK-cells. The majority of CD8+ T-cells express CD8 as a heterodimer. Some subpopulations of CD8+ T-cells as well as NK-cells may express it as a homodimer. CD8 functions as a co-receptor in concert with TCR for binding the MHC class I/peptide complex. The HIV-2 envelope glycoprotein binds CD8 alpha chain, but not beta chain. 124-1D1 was assigned at the IVth International Workshop.

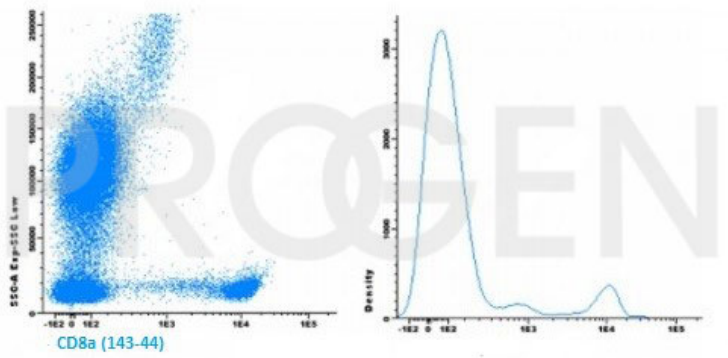
Positive control: TuT78 or hPBL, tonsil.

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2024 April 20 / Version: 691556/DS-230420ibg | Page 1

Product images



FACS with human peripheral blood lymphocytes (PBL)