

Product datasheet

anti-CD8b mouse monoclonal, EBS-CD-007, purified

Short overview

Cat. No.	691557
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1 kappa
Clone	EBS-CD-007
Immunogen	Human PBL
Formulation	PBS with 0.02% sodium azide
UniprotID	A6NJW9 (Human)
Synonym	T-cell surface glycoprotein CD8 beta-2 chain, CD8b pseudogene, CD8B2, CD8BP
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	FACS, ICC/IF, IHC
Reactivity	Human

Applications

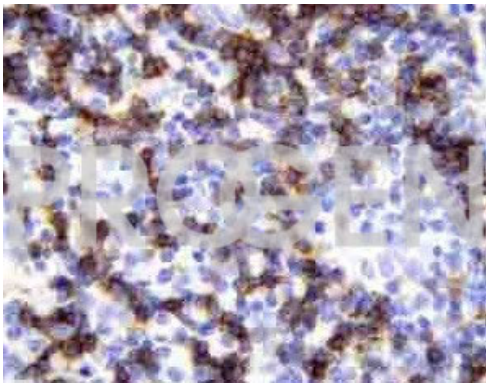
Flow Cytometry (FACS)	0.5-1.0 µg/million cells in 0.1 ml
Immunocytochemistry (ICC)	1:100-1:200 (0.5-1.0 µg/ml)
Immunohistochemistry (IHC) - frozen	1:50-1:100 (1-2 µg/ml)

Background

EBS-CD-007 recognized a protein of 32 kDa, identified as CD8b. 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. HIV-2 envelope glycoprotein binds CD8 alpha chain, but not beta chain.

Positive control: HuT78 or hPBL, tonsil.

Product images



Human tonsil