

Product datasheet

anti-CD4 mouse monoclonal, EDU-2, purified

Short overview

Cat. No.	691552
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG2a kappa
Clone	EDU-2
Immunogen	Stimulated human leucocytes
Formulation	PBS with 0.02% sodium azide
UniprotID	P01730 (Human)
Synonym	T-cell surface glycoprotein CD4, T-cell surface antigen T4/Leu-3, CD antigen CD4, CD4
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	FACS, ICC/IF, IHC
Reactivity	Human, Monkey
No reactivity	Rhesus monkey

Applications

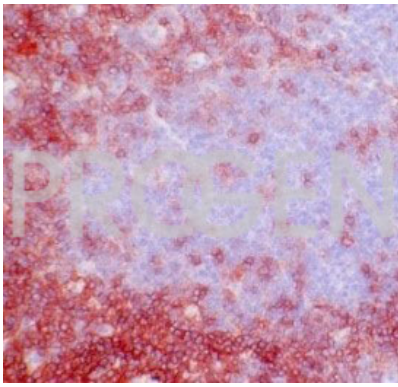
Flow Cytometry (FACS)	0.5-1.0 µg/million cells in 0.1 ml
Immunocytochemistry (ICC)	1:100-1:200 (0.5-1.0 µg/ml)
Immunohistochemistry (IHC) - frozen	1:50-1:100 (1-2 µg/ml)

Background

EDU-2 reacts with human CD4, a 55 kDa single chain transmembrane glycoprotein that contains four extracellular immunoglobulin-like domains and is mainly expressed on T-helper lymphocytes, but also on cortical thymus cells, microglial and dendritic cells. It binds to HLA class II molecules during the interaction of CD4+ T cells with antigen-presenting cells or target cells. CD4 also serves as the primary cellular receptor for human immunodeficiency virus (HIV). EDU-2 was assigned to CD4 at the International Leucocyte Typing Workshops II and IV.

Positive control: human lymphocytes, lymph node or tonsil.

Product images



Human tonsil