

## Product datasheet

### anti-CD4 mouse monoclonal, EDU-2, purified

#### Short overview

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

#### Product description

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

#### Applications

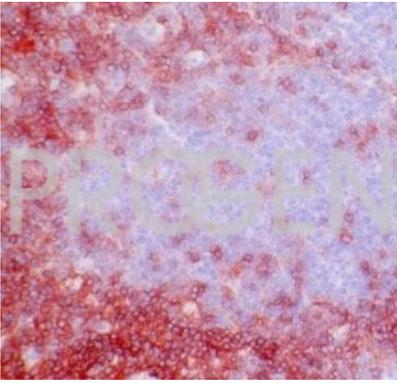
<b>Flow Cytometry (FACS)</b>	0.5-1.0 µg/million cells in 0.1 ml
<b>Immunocytochemistry (ICC)</b>	1:100-1:200 (0.5-1.0 µg/ml)
<b>Immunohistochemistry (IHC) - frozen</b>	1:50-1:100 (1-2 µg/ml)

#### 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