

# **Product datasheet**

# anti-CD45R0 mouse monoclonal, EBS-CD-027, purified

#### Short overview

**Cat. No.** 691586

Quantity1 ml (100  $\mu$ g/ml)Concentration100  $\mu$ g/ml

## **Product description**

HostMouseAntibody TypeMonoclonalIsotypeIgG2a kappaCloneEBS-CD-027

Immunogen Lentil lectin purified glycoproteins from leucocytes from a B-cell CCL patient

**Formulation** PBS with 0.02% sodium azide

UniprotID P08575 (Human)

**Synomym** Receptor-type tyrosine-protein phosphatase C, EC 3.1.3.48, Leukocyte common antigen, L-CA,

T200, CD antigen CD45, PTPRC, CD45

**Conjugate** Unconjugated

**Purification** Affinity chromatography

Storage 2-8°C

Intended use Research use only Application FACS, ICC/IF, IHC

Reactivity Human

### **Applications**

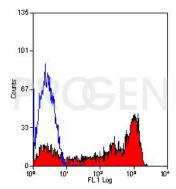
Flow Cytometry (FACS)0.5-1.0 μg/million cells in 0.1 mlImmunocytochemistry (ICC)1:100-1:200 (0.5-1 μg/ml)Immunohistochemistry (IHC) - frozen1:50-1:100 (1-2 μg/ml)

#### Background

CD45 glycoproteins have various molecular weights on various cell types: B-cell 240 kDa, thymocytes 180 kDa, T-cells multiple bands. Reduced in PAGE gels: 180 and 240 kDa. Relevant epitopes are termed CD45RA (exon 4), CD45RB (exon 5), CD45RC (exon 6) and CD45R or CD45RO (exons 4-6 spliced out). EBS-CD-027 reacts with mature activated T-cells, most thymocytes, and a sub-population of resting T-cells within both CD4 and CD8 subsets. It shows no reactivity with normal B-cells or natural killer cells, but reacts with granulocytes and monocytes. Reportedly, it is useful to identify T-cell lymphomas and leukemias. It rarely stains NK-cells or B-cell lymphomas.

Positive control: CCRF-CEM, Jurkat or MOLT-4 cells. Paracortex in tonsil or reactive lymph node.

#### **Product images**



FACS with human peripheral blood lymphocytes (PBL)