

### **Product datasheet**

## anti-CD45 mouse monoclonal, 135-4C5, purified

#### Short overview

**Cat. No.** 691585

 $\begin{tabular}{lll} \bf Quantity & 1 ml (100 \ \mu g/ml) \\ \bf Concentration & 100 \ \mu g/ml \\ \end{tabular}$ 

#### **Product description**

HostMouseAntibody TypeMonoclonalIsotypeIgG2b kappaClone135-4C5

ImmunogenStimulated human leucocytesFormulationPBS with 0.02% sodium azide

**Conjugate** Unconjugated

**Purification** Affinity chromatography

Storage 2-8°C

Intended use Research use only

Application ELISA, FACS, ICC/IF, IHC, WB

Reactivity Human

#### **Applications**

ELISAAssay dependentFlow Cytometry (FACS)1-2 μg/million cellsImmunocytochemistry (ICC)1:50-1:100 (1-2 μg/ml)Immunohistochemistry (IHC) - frozen1:25-1:50 (2-4 μg/ml)

**Immunohistochemistry (IHC) - paraffin** 1:25-1:50 (2-4 μg/ml; microwave treatment in 10 mM citrate buffer pH

6.0 recommended)

Western Blot (WB) 1:50-1:100 (1-2 μg/ml)

#### Background

CD45 glycoproteins have various molecular weights on various cell types: B-cells 240 kDa, thymocytes 180 kDa, T-cells multiple bands. Reduced in PAGE gels: 180 and 240 kDa. Isoforms are produced by alternative splicing. Various isoforms are expressed differently on different lymphocytes. All hematopoietic cells express CD45 proteins except erythrocytes. Relevant epitopes are termed CD45RA (exon 4), CD45RB (exon 5), CD45RC (exon 6) and CD45R or CD45RO (exons 4-6 spliced out). 135-4C5 was clustered in Vienna at the IV international Workshop on human leucocyte differentiation antigens.

Positive control: tonsil, Ramos, U-698, or GA-10 cells.

# **Product images**



Human tonsil