

Product datasheet

anti-CD55 mouse monoclonal, 143-30, purified

Short overview

Cat. No. 691594

Quantity1 ml (100 μ g/ml)Concentration100 μ g/ml

Product description

HostMouseAntibody TypeMonoclonalIsotypeIgG1 kappaClone143-30

ImmunogenStimulated human leucocytesFormulationPBS with 0.02% sodium azide

UniprotID P08174 (Human), Q60401 (Guinea pig), A0A287AIW0 (Pig)

Synomym Complement decay-accelerating factor, CD antigen CD55, CD55, CR, DAF

Conjugate Unconjugated

Purification Affinity chromatography

Storage 2-8°C

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

Reactivity Human, Pig

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)

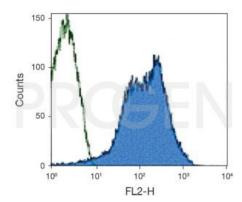
 Western Blot (WB)
 1:50-1:100 (1-2 μg/ml)

Background

143-30 reacts with CD55 or DAF (Decay Accelerating Factor). All leucocytes as well as human erythrocytes, fibroblasts, platelets, endothelial cells and neuroectodermal cells are positive for DAF, a glycosylphosphatidylinositol anchored (GPI-anchored) member of the membrane bound complement regulatory proteins that inhibit autologous complement cascade activation. CD55 also serves as receptor for CD97 and for echovirus and coxsackie B virus. DAF is deficient in both granulocytes and monocytes in patients with paroxysmal nocturnal haemoglobinuria. 143-30 has been clustered in Vienna at the IVth International Workshop on human leucocyte differentiation antigens.

Positive control: Jurkat, HUT-78, K562, YT, U937, MG63, and human lymphocytes, human lymph nodes and tonsils.

Product images



FACS with human peripheral blood lymphocytes (PBL)