Product datasheet

anti-CD55 mouse monoclonal, 143-30, purified

Short overview

Cat. No.	691594
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1 kappa
Clone	143-30
Immunogen	Stimulated human leucocytes
Formulation	PBS 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

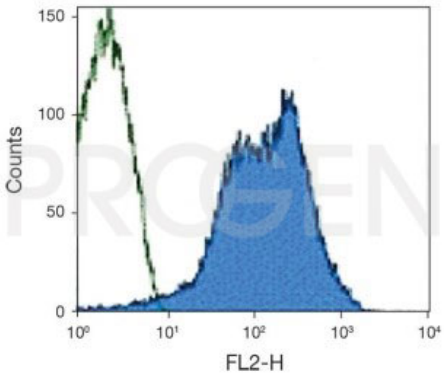
Flow Cytometry (FACS)	0.5-1.0 µg/million cells in 0.1 ml
Immunocytochemistry (ICC)	1:100-1:200 (0.5-1.0 µg/ml)
Immunohistochemistry (IHC) - frozen	1:50-1:100 (1-2 µg/ml)
Western Blot (WB)	1:50-1:100 (1-2 µg/ml)

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)