

Datasheet



Mouse mAb to **CD55**
Clone **143-30**
Isotype **IgG1-κ**

Source

A BALB/c mouse was immunized with stimulated human leucocytes.
Fusion partner: NS-1.

Specifications

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.

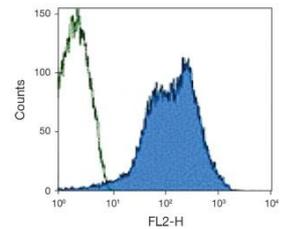


Figure 1: Human PBL stained with 143-30 (FACS).

Species reactivity

Positive: human, pig.

Applications

Identify paroxysmal nocturnal haemoglobinuria.

Flow cytometry	Frozen sections	Immunofluorescence	Western blot
+	+	+	+

Format

Produced in tissue culture, contains no host Ig. Antibodies are affinity purified and presented in PBS with 0,02% sodium azide.

Stored at 4°C-8°C, shelf life is at least 24 months after purchase.

Dilution advice

- Flow cytometry (0,5-1,0 µg/million cells in 0,1 ml).
- Immunoblotting (1-2 µg/ml).
- Immunofluorescence (0,5-1,0 µg/ml).
- Immunohistology (1-2 µg/ml for 30 min at RT; an appropriate antigen retrieval method for staining of formalin-fixed tissues has not been established to date).

Positive control

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

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References

- Koretz, K. et al. *British J. Cancer* **66**: 810-814 (1992).
- Knapp, W. et al., Leucocyte typing IV, pp 541, 694-697, 1088. Oxford Univ.
- Kishimoto T. et al., eds. Leukocyte Typing VI, Garland Publishing, Inc, New York and London, (1997).
- B.E. Loveland - in Leucocyte Typing VI - Part 6 - Known Non-Lineage CD Antigens - NL11 - CD55 Workshop Panel Report pp519-520, (1997).