Datasheet

Mouse mAb to **CD81**
Clone **1.3.3.22**
Isotype **IgG1-κ**

Source

A BALB/c mouse was immunized with B-cell line derived from a Burkitt lymphoma.
Fusion partner: NS-1.

Specifications

1.3.3.22 Reacts with human CD81 (TAPA-1), a 24 kDa member of the TM4 superfamily of proteins with four transmembrane domains. MAbs to CD81 have been shown to have anti-proliferative effects on different lymphoid cell lines, particularly those derived from large cell lymphomas. CD81 can associate with CD37 and/or CD53, or on the surface of B-cells with CD19, CD21 and/or MHC class II molecules. 1.3.3.22 Was clustered at the VIth WLDA.

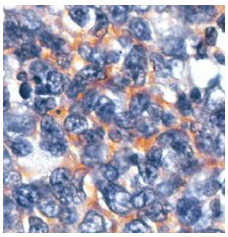

Figure 1: Human tonsil stained with 1.3.3.22 (paraffin).

Species reactivity

Positive: human.

Applications

1.3.3.22 is excellent for CD81 staining in paraffin sections and for immunofluorescence and flow cytometry.

Flow cytometry	Frozen sections	Immunofluorescence	Paraffin sections	Western blot
+	+	+	Citrate	+

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 (1-2 µg/million cells in 0,1 ml, at 4°C).
- Immunoblotting (1-2 µg/ml).
- Immunofluorescence (1-2 µg/ml).
- Immunohistology (1-2 µg/ml for 30 min at RT; staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes).

Positive control

Ramos cells, human tonsil.

References

- Kishimoto T. et al., eds. Leukocyte Typing VI, Garland Publishing, Inc, New York and London, (1997).