

# Datasheet



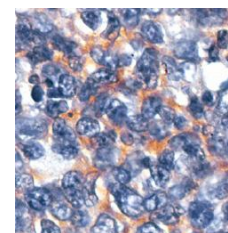
Mouse mAb to **CD81**  
Clone **1.3.3.22**  
Isotype **IgG1-κ**

## 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 VI<sup>th</sup> WLDA.



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

## Species reactivity

Positive: Human, Mouse, Rat

## 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).