

Datasheet



Mouse mAb to **Biotin**
Clone **Hyb-8**
Isotype **IgG1-κ**

Source

A BALB/c mice were immunized with biotinylated sheep immunoglobulin while NHS-biotin was used as a biotinylation agent.
Fusion partner: SP2/0.

Specifications

Hyb-8 recognizes free biotin and biotinylated proteins (HS biotin, NHS amidocaproylbiotin). The length of the spacer does not affect mAb binding. The antibody also react with biotinylated DNA probes.

Species reactivity

Positive: species restrictions not known.

Applications

Due to its high affinity the antibody is applicable for ELISA assays, immunoblotting, detection of biotinylated molecules on both frozen and paraffin sections, immunoprecipitation of biotinylated molecules with low background. These applications have all been tested extensively.

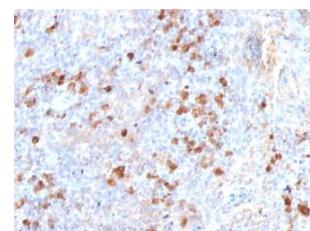


Figure 1: Human tonsil stained with Hyb-8 (paraffin section)

ELISA	Flow cytometry	Frozen sections	Immunofluorescence	Paraffin sections	Western blotting
+	+	+	+	+	+

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

- ELISA (solid phase; not known; tracer: 0,001-100 µg/ml for 30 min at RT).
- Flow cytometry (0,5-1,0 µg/million cells in 0,1 ml).
- Immunoblotting (0,5-1,0 µg/ml).
- Immunofluorescence (0,5-1,0 µg/ml).
- Immunohistology (1-2 µg/ml for 30 min at RT).

Positive control

Tissues enriched with biotinylated probes.

References

- This clone has not been published.