

Datasheet



Mouse mAb to **MHC II DQ**
Clone **EBS-O-114**
Isotype **IgG2a-κ**

Source

A BALB/c mouse was immunized with cells of T4+ CTL clone HG-38.
Fusion partner: Sp2/0.

Specifications

EBS-O-114 reacts with HLA Class II. The antibody was shown to strongly block cytotoxic activity of T4+ cytotoxic T cell clones. Distribution studies on cell lines suggested that EBS-O-114 is directed against a DQ rather than a DR antigen.

Species reactivity

Positive: human, pig.

Applications

Demonstration of MHC II DQ.

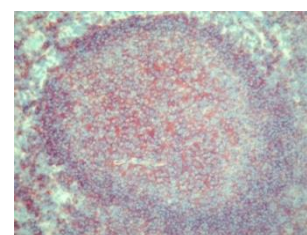


Figure 1: Human tonsil stained for HLA-DQ (frozen)

Flow cytometry	Frozen sections	Immunofluorescence	Immunoprecipitation	Paraffin sections
+	+	+	+	+

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).
- Immunofluorescence (0,5-1,0 µg/ml).
- Immunohistology (Formalin-fixed; 0,5-1,0 µg/ml for 30 minutes at RT; no special pretreatment is required for IHC staining of formalin/paraffin tissues).
- Immunoprecipitation (1-2 µg/million cells in 1 ml anti-mouse coated Sepharose-4B suspension).

Positive control

- Raji cells. Tonsil or lymph node.

References

- Spits H, et al, *Hybridoma* **2**: 423-437 (1983).
- Spits H, et al, *Eur. J. Immunol.* **14**, (1984).
- Bontrop R, et al, *Tissue Antigens*, **27**, (1986).