

Datasheet



Mouse mAb to **CD80**
Clone **C80-67**
Isotype **IgG2b-κ**

Source

A BALB/c mouse was immunized with recombinant full length CD80.
Fusion partner: NS-1.

Specifications

CD80 is involved in the costimulatory signal essential for T-lymphocyte activation. T-cell proliferation and cytokine production is induced by the binding of CD28, binding to CTLA-4 has opposite effects and inhibits T-cell activation.

Species reactivity

Positive: human.

Applications

Demonstration of CD80.

Flow cytometry	Frozen sections	Immunofluorescence
+	+	+

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 (1-2 µg/ml for 30-60 min at RT; for staining of formalin-fixed tissues no suitable antigen retrieval method is known to date).

Positive control

Tonsil or lymph node.

References

- Peach, R.J., et al. *J. Biol. Chem.* **270**: 21181-21187 (1995).
- Fargeas, C.A., et al. *J. Exp. Med.* **182**: 667-675 (1995).

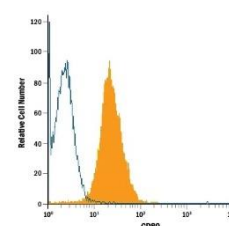


Figure 1: Raji cells stained for CD80 (FACS) .