

Datasheet



Mouse mAb to **CD95**
Clone **B-R18**
Isotype **IgG1-κ**

Source

A BALB/c mouse was immunized with recombinant Fas antigen.
Fusion partner: P3-X63-Ag8.653.

Specifications

B-R18 specifically recognizes CD95. CD95 is a cell surface glycoprotein with a MW of 40-45 kDa and contains 8 kDa of N-glycosidic-linked polysaccharide. It is a receptor for TNFSF6/FASLG, a member of the nerve growth factor receptor/tumor necrosis factor superfamily, mediating receptor-triggered apoptosis. CD95 is preferentially expressed by the CD54RA^{low} and CD45RO^{high} subset of memory T-cells, but it also found on peripheral monocytes. It is further found on human B-cell lines like pre-B cells, EBV infected cells, Burkitt cells and plasmacytoma cells. It also binds to human T-cell lines, myeloid cell lines, hepatocyte carcinoma and endothelial cells.

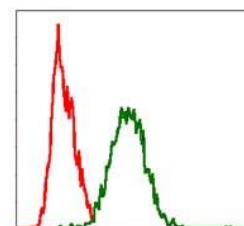


Figure 1: HeLa cells stained for CD95 (FACS).

Species reactivity

Positive: human.

Applications

Applicable in frozen sections and in flow cytometry.

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 min at RT; an appropriate antigen retrieval method for staining of formalin-fixed tissues has not been established to date).

Positive control

MCF-7 cells; hepatocellular or bladder carcinoma.

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References

- Sasaki et al. Br J Urol 81: 852, (1998).
- Sugihara et al. Anticancer Res 17: 3861, (1997).
- Kondo et al. J Pathol 183: 75, (1997).