Datasheet

Mouse mAb to **CD100**
Clone **EBS-CD-045**
Isotype **IgG1-κ**

Source

A BALB/c mouse was immunized with PHA stimulated PBL.
Fusion partner: NS-1.

Specifications

EBS-CD-045 reacts with human CD100, a 150 kDa homodimer cell-surface antigen that is expressed on resting and PHA-stimulated T-cells. It is absent from bone marrow, erythrocytes, eosinophils and endothelial cells. The protein is weakly expressed on NK-cells, EBV transformed B-cells, monocytes and tumor T-cell lines. It plays a role in homotypic cell adhesion and in T-cell activation.

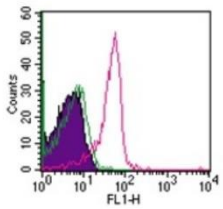

Figure 1: Human PBL stained with EBS-CD-045 (FACS).

Species reactivity

Positive: cynomolgus monkey, human, mouse, rhesus monkey.

Applications

EBS-CD-045 can be used for demonstration of CD100 in a variety of applications. CD100 induces B-cells to aggregate and improves their viability in vitro.

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

Daudi, Raji, HUT-78, Kg1a and U937 cells, PBL, tonsil and lymph node.

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References

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