

Datasheet



Mouse mAb to **CD5**
Clone **EBS-CD-004**
Isotype **IgM-κ**

Source

A BALB/c mouse was immunized with cells of the human T leukemic cell line HPN-AKK.
Fusion partner: SP2/0.

Specifications

EBS-CD-004 reacts with a 67 kDa protein, consistent with human CD5. Anti-CD5 is a pan T-cell marker that also reacts with a B-cell subset and a range of neoplastic B-cells, e.g. chronic lymphocytic leukaemia/small lymphocytic lymphoma (CLL/SLL), mantle cell lymphoma, and a subset (~10%) of diffuse large B-cell lymphoma. CD5 aberrant expression is useful in making a diagnosis of mature T-cell neoplasms.

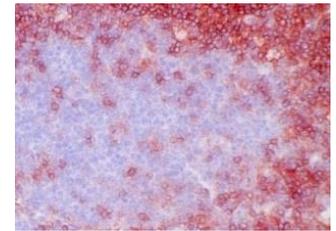


Figure 1: Human tonsil stained for CD5 (frozen section).

Species reactivity

Positive: human.

Applications

CD5 is a marker for mantle cell lymphoma. Aberrant expression is useful in making a diagnosis of mature T-cell neoplasms.

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 minutes at RT; for staining of formalin-fixed tissues no suitable antigen retrieval method is known to date).

Positive control

293T, Ramos, or MOLT-4 Cells. Tonsil.

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References

- Yssel et al., *Cell. Immunol.* **105**: 161 (1987).
- Reinherz et al., *J. Immunol.* **123** : 1312 (1979).
- Lédbetter et al., *J. Immunol.* **137**: 3299 (1986).
- Imboden et al., *Clin. Res.* **36**, (1988).
- Ferry JA et. al. *Am J Clin Pathol.* **105(1)**: 31-7 (1996).
- Gagneten D et. al. *Diagn Cytopathol.* **14(1)**: 32-7 (1996).
- Wang, MY et. al., *Bone Marrow Transplant.* **9(5)**:319-23 (1992).