

Datasheet



Mouse mAb to **CD15/FUTU4/Le^x**
Clone **Bra4F1**
Isotype **IgM-κ**

Source

A BALB/c mouse was immunized with k562 (erythroid-myeloid leukemia cell line).
Fusion partner: SP2/0.

Specifications

Bra4F1 reacts with CD15 (220 kDa). CD15 is present on >95% of granulocytes including neutrophils and eosinophils and to a lesser degree on monocytes. CD15 is further expressed in Reed-Sternberg cells in classic Hodgkin's disease. CD15 is occasionally expressed in large cell lymphomas of both B and T phenotypes. It is also expressed on a wide variety of other tumor cells including myeloid leukemia, breast, colorectal, and lung cancer cells. Bra4F1 was clustered at the IVth International Workshop on Leucocyte Differentiation Antigens.

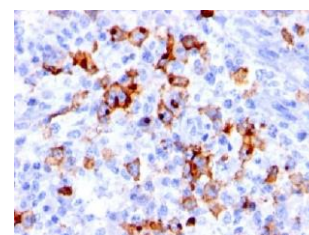


Figure 1: Hodgkin's lymphoma stained with Bra4F1 (paraffin).

Species reactivity

Positive: human.

Applications

Bra4F1 can be used to identify Reed-Sternberg cells in Hodgkin's lymphoma biopsies.

ELISA	Flow cytometry	Frozen sections	Immunofluorescence	Paraffin sections
+	+	+	+	Tris/EDTA

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

- ELISA (solid phase: not known; tracer: 0,001-100 µg/ml for 30 min at RT).
- Flow cytometry (0,5-1,0 µg/million cells in 0,1 ml).
- Immunofluorescence (0,5-1,0 µg/ml).
- Immunohistology (formalin-fixed: 1-2 µg/ml for 30 min at RT; staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris in 1mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes).

Positive control

U937 cells, Reed-Sternberg's cells in Hodgkin's lymphoma.

References

- Chorvath B. et al., *Neoplasma* **36(6)**, 633-642 (1989).
- Leukocyte typing IV, Oxford Univ. Press, 868, 870 and 877 (1989).