

Datasheet



Mouse mAb to **CD176/TF Antigen**
Clone **EBS-CD-051**
Isotype **IgG1-κ**

Source

A BALB/c mouse was immunized with neuraminidase-treated human red blood cells.
Fusion partner: X63-AG8.653.

Specifications

EBS-CD-051 recognizes the carbohydrate epitope Thomsen-Friedenreich (asialo-glycophorin; Galβ1-3GalNac). It shows no cross-reactivity with sialylated glycophorin. Human cells normally do not carry Thomsen-Friedenreich antigen. Only after malignant transformation the antigen may appear and is thus considered a pan-carcinoma marker.

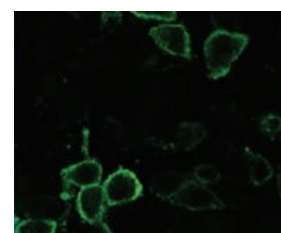


Figure 1: NCI-H446 cells stained for CD176 (IFA).

Species reactivity

Positive: human.

Applications

EBS-CD-051 can be applied for the detection of cells with TF-antigens and is especially applicable for sensitive determination of neuraminidases. EBS-CD-051 can be used on frozen and paraffin-fixed tissue.

| Frozen sections | Paraffin sections |
|-----------------|-------------------|
| + | + |

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

- Immunohistology (1-2 µg/ml for 30 min at RT).

Positive control

KG1-cells or human colorectal carcinoma tissues.

References

- Karsten U. et al., *Hybridoma* **14(1)**: 37-44 (1995).
- Cao Y. et al., *Histochem Cell Biol* **106**: 197-207 (1996).
- Baldus SE et al. *Cancer* (1998), **82(6)**: 1019-27.
- Ryder SD et al. *Gastroenterology*, **114(1)**: 44-9 (1998).
- Kanitakis J et al. *J Clin Pathol* **51(8)**: 588-92 (1998).