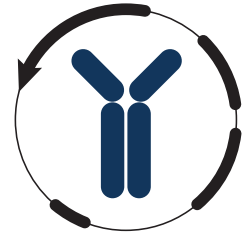


Datasheet



Mouse mAb to **Keratin 18**
Clone **EBS-IF-006**
Isotype **IgG1-κ**

Source

A hybrid mouse (BALB/c x B6) was immunized with a cytokeratin-enriched extract from A431 cells (human vulvar squamous carcinoma).
Fusion partner: Sp2/0.

Specifications

EBS-IF-006 reacts in immunoblotting specifically with human keratin 18 (45kDa). In tissue sections EBS-IF-006 is positive with normal epithelia and carcinomas expressing keratin 18, i.e. simple, transitional and glandular epithelia and basal cells of non-cornifying stratified epithelia (ectocervix, esophagus), adenocarcinomas of the gastrointestinal tract, lung, breast, pancreas, ovary, and thyroid and some squamous cell carcinomas. EBS-IF-006 was typed in the ISOBM TD-5 workshop.

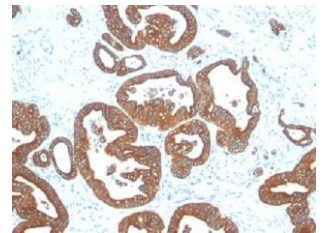


Figure 1: Colon carcinoma stained with EBS-IF-006 (paraffin)

Species reactivity

Positive: cat, dog, human, pig.
Negative: ferret, rat.

Applications

Demonstration of keratin 18 in immunohistochemistry, immunofluorescence tests and immunoblotting.

Flow cytometry	Frozen sections	Immunofluorescence	Paraffin sections	Western blot
+	+	+	Citrate	+

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.

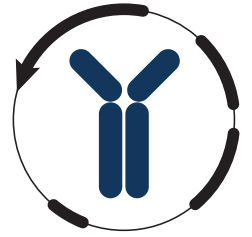
Dilution advice

- Flow Cytometry (1-2 µg/million cells in 0.1 ml, fix cells in 4% PFA for 10 min, at 4°C, permeabilize with 0,2% saponin or digitonin for 15 min, at 4°C).
- Immunoblotting (1-2 µg/ml).
- Immunofluorescence (1-2 µg/ml).
- Immunohistology (formalin-fixed: 2-4 µg/ml for 30 min at RT; staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes).

Positive control

Skin.

Datasheet



References

- Ivanyi D, et al. *J. Pathol.* **159**: 7-12 (1989).
- Ivanyi D, et al. *Differentiation.* **42(2)**: 124-129 (1989).
- Ivanyi D, et al. *Am. J. Vet. Res.* **53**: 304-314 (1992).
- Vos et al. *Vet.Pathol.* **30**: 271-279 (1993).
- Vos et al. *Vet.Pathol.* **30**: 352-361 (1993).
- Balm A.J.M, *Eur. Arch. Otorhinolaryngol.* **253**: 227-233 (1996).
- Nap, M, et al. *Tumor Biology* **19**: 4-10, (1998).
- Stigbrand, T, et al. *Tumor Biology* **19**: 132-152, (1998).