

Datasheet



Mouse mAb to **Keratin 19**
Clone **EBS-IF-007**
Isotype **IgG2a-κ**

Source

A BALB/c mouse was immunized with human breast cancer cell line MCF-7.
Fusion Partner: P3-X63-Ag8.653.

Specifications

EBS-IF-007 is human specific and reacts with rod domain 2B, aa 311-335, of keratin 19 (40 kDa). Keratin 19 is expressed in sweat gland, mammary gland ductal and secretory cells, bile ducts, gastrointestinal tract, bladder urothelium, oral epithelia, esophagus, and ectocervical epithelium. Anti-keratin 19 reacts with a wide variety of corresponding epithelial malignancies.

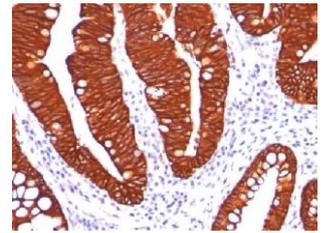


Figure 1: Colon carcinoma stained with EBS-IF-007 (paraffin)

Species reactivity

Positive: human.
Negative: ferret, rat.

Applications

EBS-IF-007 can be used on paraffin sections using either citrate or protease pre-treatment.

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

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, or digestion with trypsin at 1 mg/ml PBS, 15 min at RT).

Positive control

MCF-7, mesothelia, urothelium, and bile duct epithelium, breast, lung.

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References

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