

Datasheet



Mouse mAb to **Keratin 14**
Clone **EBS-IF-004**
Isotype **IgM-κ**

Source

A hybrid (BALB/c x B6) mouse was immunized with AA 459-472 at the carboxyterminal end of human cytokeratin 14, conjugated to KLH.
Fusion partner: SP2/0.

Specifications

EBS-IF-004 reacts specifically with keratin 14 (50kDa) in immunoblotting. In tissue sections EBS-IF-004 is positive with basal cells of non-keratinizing stratified epithelia, basal cells and suprabasal cells of the epidermis and gingiva, myoepithelial cells and squamous cell carcinomas.

Species reactivity

Positive: cat, human, pig, rat.

Applications

Demonstration of keratin 14 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.

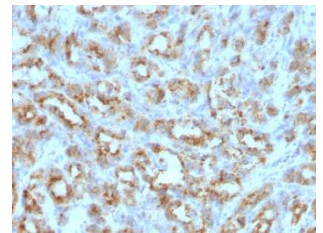


Figure 1: Human prostate stained with EBS-IF-004 (paraffin)

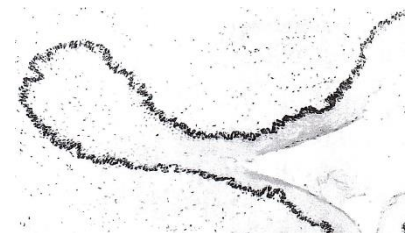


Figure 2: Cat oesophagus stained with EBS-IF-004 (frozen section)

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References

- Ivanyi, D. et al. *Am. J. Vet. Res.* **53**: 304-314 (1992).
- Ivanyi, D. et al. *Cancer Res.* **50(16)**: 5143-5152 (1990).
- Balm A.J.M. et al., *Eur. Arch. Otorhinolaryngol.* **253**: 227-233 (1996).