Product datasheet

anti-Keratin 13+10 mouse monoclonal, EBS-IF-003, purified

Short overview

Cat. No.	691657
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG2a kappa
Clone	EBS-IF-003
Immunogen	Cytoskeleton preparation from HeLa cells
Formulation	PBS with 0.02% sodium azide
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	FACS, ICC/IF, IHC, WB
Reactivity	Cat, Dog, Human

Applications

Flow Cytometry (FACS)	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 digitonon vor 15 min at 4°C
Immunocytochemistry (ICC)	1:50-1:100 (1-2 µg/ml)
Immunohistochemistry (IHC) - frozen	1:25-1:50 (2-4 µg/ml)
Immunohistochemistry (IHC) - paraffin	1:25-1:50 (2-4 µg/ml; microwave treatment in 10 mM citrate buffer pH 6.0 recommended)
Western Blot (WB)	1:50-1:100 (1-2 µg/ml)

Background

EBS-IF-003 reacts with 53 kDa (CK13) and 56.6 kDa (CK10) cytokeratin proteins as indicated by immunoblotting. On formalin-fixed, paraffin-embedded tissue sections EBS-IF-003 recognizes only CK13. On cryostat sections EBS-IF-003 serves as differentiation-related marker of all stratified epithelia; it stains all suprabasal cells in both cornifying and non-cornifying stratified epithelia and more differentiated cells of squamous carcinomas. In paraffin sections EBS-IF-003 does not stain CK10 positive, CK13 negative epithelia, as for example epidermis.

Positive control: A431, HeLa, MCF7 cells. Tonsil, esophageal or bladder carcinoma.

Product images



Human tonsil