

Product datasheet

anti-Keratin 5+14 mouse monoclonal, EBS-IF-001, purified

Short overview

Cat. No.	691656
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG2a kappa
Clone	EBS-IF-001
Immunogen	Cytokeratin-enriched extract of feline tongue epithelium
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, 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 digitonin for 15 min at 4°C
Immunocytochemistry (ICC)	1:50-1:100 (1-2 µg/ml)
Immunohistochemistry (IHC) - frozen	1:50-1:100 (1-2 µg/ml)
Western Blot (WB)	Assay dependent

Background

EBS-IF-001 does not react with keratin polypeptides in immunoblotting. The specificity for keratin was established on the basis of antibody reactivity with intracytoplasmic intermediate filaments in epithelial, vimentin negative, human and feline cells. Distribution of the epitope strongly suggests that EBS-IF-001 reacts with keratins 5 and 14, most probably with a heterotypic complex formed by these keratins. EBS-IF-001 reacts positively with basal cells of all stratified epithelia, with myoepithelial cells and with most squamous cell carcinomas. It is useful in immunohistochemistry for typing of basal cells.

Positive control: tongue.

Product images



Cat tongue