

Product datasheet

anti-Blood Group A (CD173) mouse monoclonal, 3-3A, purified

Short overview

Cat. No.	691514
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1 kappa
Clone	3-3A
Immunogen	Mucin isolated from an ovarian cyst fluid (pure endocervical type according to the Fenoglio classification)
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
Reactivity	Human

Applications

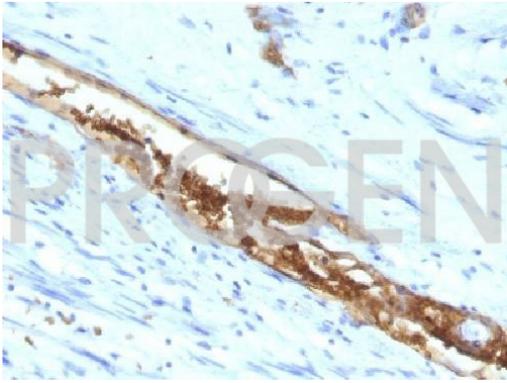
Flow Cytometry (FACS)	0.5-1.0 µg/million cells in 0.1 ml
Immunocytochemistry (ICC)	1:100-1:200 (0.5-1.0 µg/ml)
Immunohistochemistry (IHC) - frozen	1:50-1:100 (1-2 µg/ml)
Immunohistochemistry (IHC) - paraffin	1:50-1:100 (1-2 µg/ml; microwave treatment in 10 mM citrate buffer pH 6.0 recommended)

Background

3-3A reacts with determinants of chain A type 3 and 4 and chain H type 3 and 4, but not with type 1 and 2 chain structures. It is not reactive with immunodominant A trisaccharide. Increased expression of this antigen has been observed on some tumor tissue such as gastric carcinomas, urothelial carcinomas, and colon carcinomas. 3-3A does not react with normal tissue sections of donors with blood group B and O, but it reacts specifically with malignant tissues in these individuals.

Positive control: KG1 cells or human colorectal carcinoma.

Product images



Colon carcinoma