Product datasheet

anti-CD174 mouse monoclonal, EBS-CD-049, purified

Short overview

Cat. No.	691616
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1 kappa
Clone	EBS-CD-049
Immunogen	Neuraminidase-treated live T-47D breast carcinoma cells
Formulation	PBS with 0.02% sodium azide
UniprotID	Q11126 (Bovine), P21217 (Human)
Synomym	3-galactosyl-N-acetylglucosaminide 4-alpha-L-fucosyltransferase FUT3, EC 2.4.1.65, Alpha-3-fucosyltransferase FUT3, EC 2.4.1.-, Blood group Lewis alpha-4-fucosyltransferase, Lewis FT, Fucosyltransferase 3, Fucosyltransferase III, FucT-III, FUT3, FT3B, LE
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	ELISA, FACS, ICC/IF, IHC, WB
Reactivity	Bovine, Human

Applications

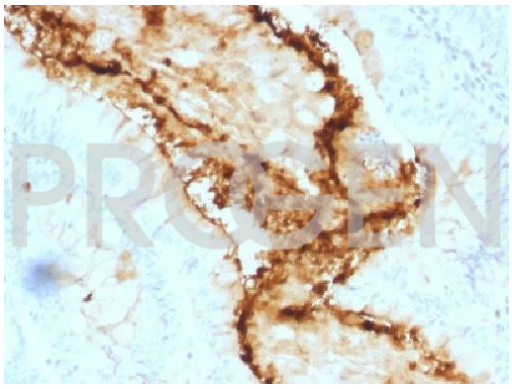
ELISA	Assay dependent
Flow Cytometry (FACS)	Assay dependent
Immunocytochemistry (ICC)	1:100-1:200 (0.5-1.0 µg/ml)
Immunohistochemistry (IHC) - frozen	1:50-1:100 (1-2 µg/ml)
Immunohistochemistry (IHC) - paraffin	1:50-1:100 (1-2 µg/ml)
Western Blot (WB)	1:50-1:100 (1-2 µg/ml)

Background

EBS-CD-049 recognizes LeY (CD174) and to some extent Leb. EBS-CD-049 displays no cross-reactivity with blood group antigens A, B, Lea, LeX, Sialyl-Lea, Sialyl-LeX, nor with H type 1, type 2, or type 3, nor with 74 other synthetic oligo- and mono-saccharides tested (minimal reactivity exists to Globo-H). In addition, a protein conformational epitope on human and bovine histone H1 is detected (mimicry). Histones H2A, H2B, H3 and H4 are not detected.

Positive control: breast or colorectal cancer.

Product images



Colon cancer