

Product datasheet

anti-CD50 mouse monoclonal, 189-2G9, purified

Short overview

Cat. No.	691591
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG2b kappa
Clone	189-2G9
Immunogen	Stimulated human leucocytes
Formulation	PBS with 0.02% sodium azide
UniprotID	P32942 (Human)
Synonym	Intercellular adhesion molecule 3, ICAM-3, CDw50, ICAM-R, CD antigen CD50, ICAM3
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)	1-2 µg/million cells
Immunocytochemistry (ICC)	1:50-1:100 (1-2 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

189-2G9 reacts with the cellular adhesion molecule CD50 (ICAM-3), a single chain polypeptide with a MW of 120 kDa. The protein is heavily glycosylated and resistant to phosphatidylinositol phospholipase C treatment so probably not PI-anchored. 186-2G9 has been clustered at the V1th GLDA International Workshop. 186-2D9 recognized the D1 domain of human CD50 and blocks binding of CD11a (alpha L-integrin) to CD50.

Positive control: HL-60 or THP-1 cells. Lymph node and tonsil.

Product images



Human tonsil