Product datasheet

anti-CD21 mouse monoclonal, B-G11, purified

Short overview

Cat. No.	691567
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG2a kappa
Clone	B-G11
Immunogen	Human PBL
Formulation	PBS with 0.02% sodium azide
UniprotID	P20023 (Human)
Synomym	Complement receptor type 2, Cr2, Complement C3d receptor, Epstein-Barr virus receptor, EBV receptor, CD antigen CD21, CR2, C3DR
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	FACS, ICC/IF, IHC
Reactivity	Human

Applications

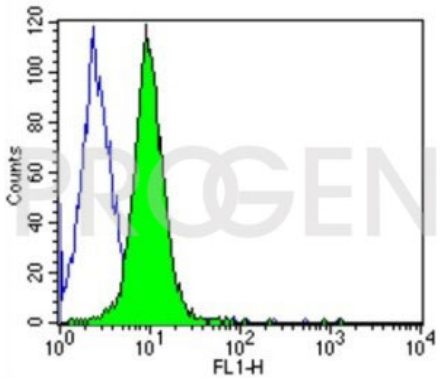
Flow Cytometry (FACS)	0.5-1.0 µg/million cells in 0.1 ml
Immunocytochemistry (ICC)	1:100-1:200 (0.5-1.0 µg/ml)
Immunohistochemistry (IHC) - frozen	1:50-1:100 (1-2 µg/ml)

Background

B-G11 reacts with D21, a 140 kDa cell surface molecule which acts as a receptor for EBV, for human complement factor C3d (CR2) and for IFN-alpha. It is a glycoprotein, made up of multiple (n=15) Short Consensus Repeats (S.C.R.) sequences. CD21 is expressed strongly on mature B-cells, follicular dendritic cells and weakly on immature thymocytes and T-lymphocytes. In B-cell ontogeny, CD21 appears after the pre-B-stage, is maintained during peripheral B-cell development and is lost upon terminal differentiation into plasma cells. CD21 expression also gradually lost after stimulation of B-cells in vitro.

Positive control: human PBL and tonsil.

Product images



FACS with Daudi cells