Product datasheet

anti-MHC-I-B27 mouse monoclonal, EP-4, purified

Short overview

Cat. No.	691683
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgM kappa
Clone	EP-4
Immunogen	Lymphocytes from an HLA-B27 patient
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

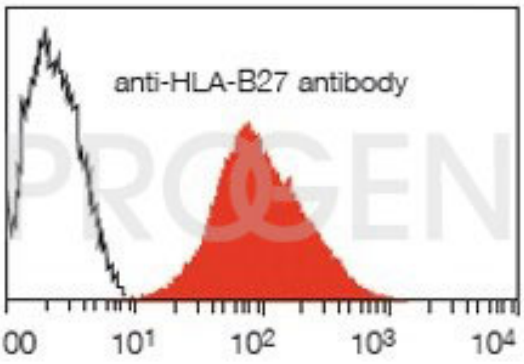
Flow Cytometry (FACS)	0.5-1.0 µg/million cells in 0.1 ml
Immunocytochemistry (ICC)	1:100-1:200 (0.5-1.0 µg/ml)
Immunohistochemistry (IHC) - frozen	1:50-1:100 (1-2 µg/ml)

Background

EP-4 recognizes the HLA-B27 cell surface antigen on human cells. HLA-B27 has been found to be highly associated (60%) with ankylosing spondylitis (Bekhterev's disease, Marie-Strümpell disease or "bamboo spine"). While rheumatoid factor tests will be negative, testing for the presence of HLA-B27 in a patient can confirm the diagnosis of ankylosing spondylitis. Also postgonococcal arthritis and acute anterior uveitis are associated with HLA-B27.

Positive control: Human peripheral blood lymphocytes, tonsil or lymph node.

Product images



FACS with human peripheral blood lymphocytes (PBL)