

Monoclonal Antibody to CD79a - PE

Alternate names:	B-Cell marker, B-cell antigen receptor complex-associated protein alpha-chain, IGA, MB-1 membrane glycoprotein, MB1, Membrane-bound immunoglobulin-associated protein, Surface IgM-associated protein
Catalog No.:	AM01322RP-N
Quantity:	100 Tests
Concentration:	0.1 mg/ml
Background:	The CD79a molecule associates with CD79b (B29) to form a heterodimer that is non-covalently linked to surface immunoglobulin, forming the B-cell receptor (BCR) complex. The CD79a/CD79b heterodimers are also necessary for intracellular signalling following antigen-binding to surface immunoglobulin.
Uniprot ID:	P11912
NCBI:	NP_001774.1
GeneID:	973
Host / Isotype:	Mouse / IgG1
Clone:	HM57
Immunogen:	Synthetic peptide corresponding to 202-216 amino acid sequence of human mb-1
Format:	State: Lyophilized Ig fraction Purification: Affinity chromatography on Protein G Buffer System: Phosphate buffered saline pH 7.4 containing 0.09% Sodium Azide (NaN ₃), 1% Bovine Serum Albumin Label: PE – R. Phycoerythrin (RPE) Reconstitution: Reconstitute with 0.25 ml distilled water
Applications:	Flow Cytometry: Use 10 µl of neat antibody to label 1x10 ⁶ cells in 100 µl; Membrane permeabilisation is required for this application. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises an epitope within the cytoplasmic domain of CD79a. CD79a, also known as mb-1, is a 45kD protein that is expressed by B lymphocytes during differentiation from early pre-B cell stage through to plasma cells.
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf life: One year from despatch.
General Readings:	1. Mason DY, Cordell JL, Tse AG, van Dongen JJ, van Noesel CJ, Micklem K, et al. The IgM-associated protein mb-1 as a marker of normal and neoplastic B cells. J Immunol. 1991 Dec

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
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1;147(11):2474-82. PubMed PMID: 1747162.

2. Jones M, Cordell JL, Beyers AD, Tse AG, Mason DY. Detection of T and B cells in many animal species using cross-reactive anti-peptide antibodies. J Immunol. 1993 Jun 15;150(12):5429-35. PubMed PMID: 8515069.

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