

## Product datasheet for **AM01322RP-N**

### CD79A (202-216) Mouse Monoclonal Antibody [Clone ID: HM57]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	HM57
Applications:	FC
Recommended Dilution:	Flow Cytometry: Use 10 µl of neat antibody to label 1x10 <sup>6</sup> cells in 100 µl; Membrane permeabilisation is required for this application.
Reactivity:	Bovine, Canine, Chicken, Equine, Guinea Pig, Human, Monkey, Mouse, Porcine, Rabbit, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic peptide corresponding to 202-216 amino acid sequence of human mb-1
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.
Formulation:	Phosphate buffered saline pH 7.4 containing 0.09% Sodium Azide (NaN <sub>3</sub> ), 1% Bovine Serum Albumin Label: PE State: Lyophilized Ig fraction Label: R. Phycoerythrin (RPE)
Reconstitution Method:	Reconstitute with 0.25 ml distilled water
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	PE
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.
Stability:	Shelf life: One year from despatch.
Gene Name:	CD79a molecule



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**Database Link:** [Entrez Gene 973 Human P11912](#)

**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.

**Synonyms:** IGA, MB1, B-Cell marker