

Product datasheet for **AM01322SU-N**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	HM57
Applications:	FC, IHC, WB
Recommended Dilution:	Western Blot. Immunohistochemistry on Frozen Sections. Immunohistochemistry on Paraffin Sections: This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose. Recommended Positive Control: Human tonsil. Flow Cytometry: Use 10 µl of 1/10-1/25 diluted antibody to label 1x10 ⁶ cells in 100 µl (Membrane permeabilization is required).
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 recognizes an epitope within the cytoplasmic domain of CD79a.
Formulation:	PBS, pH 7.4 State: Purified State: Liquid purified IgG fraction from Tissue Culture Supernatant Stabilizer: 1% BSA Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Gene Name:	CD79a molecule
Database Link:	Entrez Gene 973 Human P11912
Background:	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. 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