

## Product datasheet for **AM50250PU-S**

### CD79A Mouse Monoclonal Antibody [Clone ID: JCB117 + HM47/A9]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	JCB117 + HM47/A9
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	<b>ELISA:</b> Use BSA free Antibody for coating. <b>Flow Cytometry:</b> 0.5-1 µg/million cells. <b>Immunofluorescence:</b> 0.5-1 µg/ml. <b>Western Blotting:</b> 0.5-1 µg/ml. <b>Immunoprecipitation:</b> 0.5-1 µg/500 µg protein lysate. <b>Immunohistochemistry on Frozen and Formalin-Fixed Paraffin Sections:</b> 0.5-1 µ/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes. <b>Positive Control:</b> Daudi or Ramos cells. Germinal center B-cells in a lymph node or tonsil.
Reactivity:	Bovine, Human, Monkey, Mouse, Porcine, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	A synthetic peptide corresponding to aa 202-216 (GTYQDVGSLNIADVQ) of Human CD79a protein (JCB117 and HM47/A9).
Specificity:	Anti-CD79a is generally used to complement anti-CD20 especially for mature B-cell lymphomas after treatment with Rituximab (anti-CD20). This antibody will stain many of the same lymphomas as anti-CD20, but also is more likely to stain B-lymphoblastic lymphoma/leukemia than is anti-CD20. Anti-CD79a also stains more cases of plasma cell myeloma and occasionally some types of endothelial cells as well. <b>Cellular Localization:</b> Cell surface.
Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide



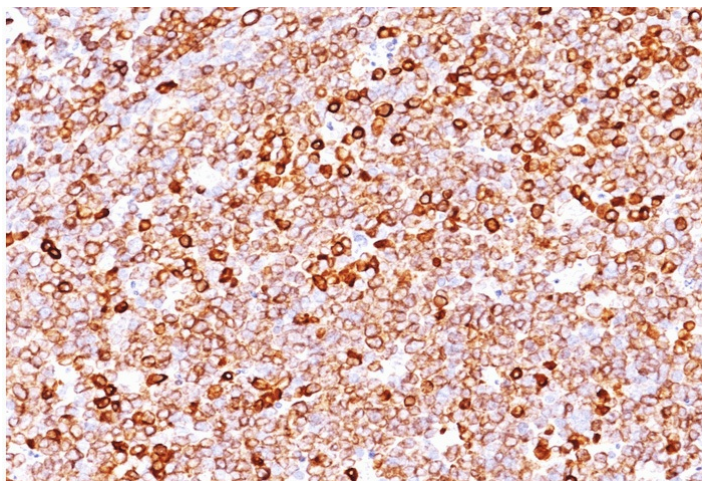
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Concentration:	lot specific
Purification:	Protein A/G Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	44 kDa
Gene Name:	CD79a molecule
Database Link:	<a href="#">Entrez Gene 973 Human P11912</a>

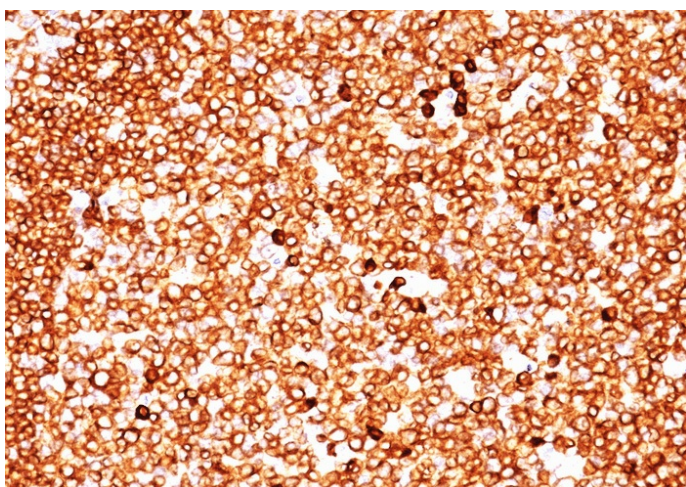
**Background:** A disulphide-linked heterodimer, consisting of mb-1 (or CD79a) and B29 (or CD79b) polypeptides, is non-covalently associated with membrane-bound immunoglobulins on B cells. This complex of mb-1 and B29 polypeptides and immunoglobulin constitute the B cell Ag receptor. CD79a first appears at pre B cell stage, early in maturation, and persists until the plasma cell stage where it is found as an intracellular component. CD79a is found in the majority of acute leukemias of precursor B cell type, in B cell lines, B cell lymphomas, and in some myelomas. It is not present in myeloid or T cell lines.

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

### Product images:



Formalin-Fixed, Paraffin-Embedded Human tonsil (10X) stained with CD79a Antibody (Clone JCB117 + HM47/A9).



Formalin-Fixed, Paraffin-Embedded Human tonsil (20X) stained with CD79a Antibody (Clone JCB117 + HM47/A9).