

## Product Datasheet

### Anti-Hu CD79a Purified (orb154414)

<b>Description</b>	Mouse monoclonal antibody to CD79a which expressed in B-cells. Defects in CD79A are the cause of agammaglobulinemia type 3 (AGM3). The cytoplasmic tails of CD79A contains an ITAM (immuno-receptor tyrosine-based activation) motif, which acts to initiate the BCR signaling reactions by binding to and activating tyrosine
<b>Reactivity</b>	Bovine, Canine, Equine, Gallus, Guinea pig, Human, Mouse, Porcine, Primate, Rabbit, Rat
<b>Conjugation</b>	Unconjugated
<b>Tested Applications</b>	FC, IHC-P, IP, WB
<b>Immunogen</b>	Synthetic peptide corresponding to C terminal amino acids 208-222 of human CD79a
<b>Target</b>	CD79a
<b>Preservatives</b>	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only
<b>Application notes</b>	Flow cytometry: Recommended dilution: 1-4 µg/ml. Intracellular staining.
<b>Isotype</b>	Mouse IgG1 kappa
<b>Clonality</b>	Monoclonal
<b>Clone Number</b>	HM47
<b>Purity</b>	Purified by protein-A affinity chromatography.

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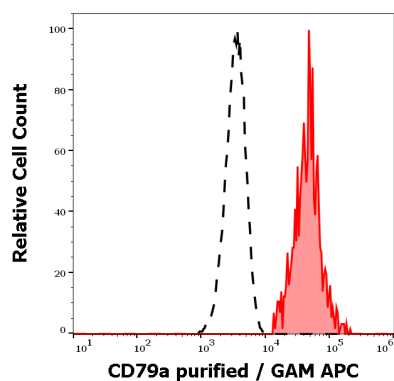
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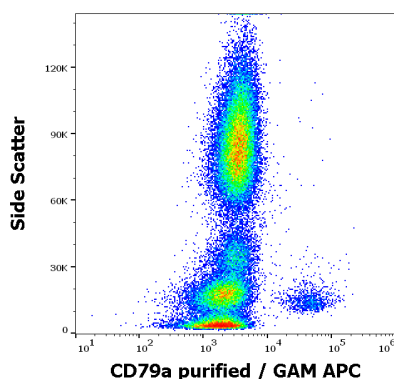
**Uniprot ID** **P11912**

**Entrez** **973**

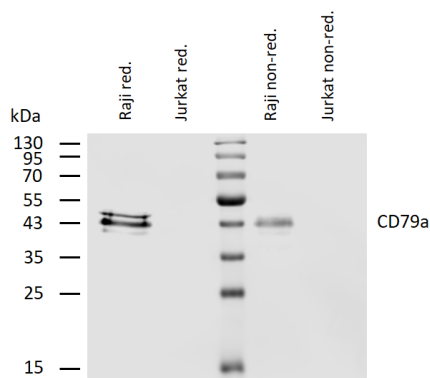
**Expiration Date** 12 months from date of receipt.



Separation of human CD79a positive lymphocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (intracellular staining) of human peripheral whole blood stained using anti-human CD79a (HM47) purified antibody (concentration in sample 4 µg/ml, GAM APC).



Flow cytometry intracellular staining pattern of human peripheral whole blood stained using anti-human CD79a (HM47) purified antibody (concentration in sample 4 µg/ml, GAM APC).



Western blotting analysis of human CD79a using mouse monoclonal antibody HM47 on lysates of Raji and Jurkat (negative control) cell line under reducing and non-reducing conditions. Nitrocellulose membrane was probed with 2 µg/ml of mouse anti-H-Ras monoclonal antibody followed by IRDye800-conjugated anti-mouse secondary antibody. CD79a was detected around 43 kDa.

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