9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

30-1368: Anti-CD79a Monoclonal Antibody (Clone:HM57)

Clonality :	Monoclonal
Clone Name :	HM57
Application :	FACS, IHC, IHC-Fr
Reactivity :	Human, Pig, Mouse, Rat, Bovine, Equine, Guinea pig, Opossum, Rabbit, Chicken
Gene :	CD79A
Gene ID :	973
Uniprot ID :	P11912
Format :	Purified
Alternative Name :	CD79A,IGA,MB1
Isotype :	Mouse IgG1
Immunogen Information :	Synthetic peptide corresponding to amino acids 202-216 of human CD79a

Description

CD79a (Ig alpha, MB1) forms disulfide-linked heterodimer with CD79b (Ig beta). They both are transmembrane proteins with extended cytoplasmic domains containing immunoreceptor tyrosine activation motives (ITAMs), and together with cell surface immunoglobulin they constitute B-cell antigen-specific receptor (BCR). CD79a and b are the first components of BCR that are expressed developmentally. They appear on pro-B cells in association with the endoplasmic reticulum chaperone calnexin. Subsequently, in pre-B cells, CD79 heterodimer is associated with lambda5-VpreB surrogate immunoglobulin and later with antigen-specific surface immunoglobulins. At the plasma cell stage, CD79a is present as an intracellular component. CD79a/b complex interacts with Src-family tyrosine kinase Lyn, which phosphorylates its cytoplasmic ITAM motives to form docking sites for downstream signaling.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow Cytometry *Recommended dilution:*5 ÃÂµg/ml
Application note: intracellular staining
Immunohistochemistry *Recommended dilution:*10 ÃÂµg/ml
Immunohistochemistry (frozen sections) *Recommended dilution:*10 ÃÂµg/ml

For Research Use Only. Not for use in diagnostic/therapeutics procedures.