

Mouse CD79a Monoclonal Antibody | anti-CD79a antibody

CD79a

CATALOG # AAA59198	HOST Mouse	REACTIVITY Human, Canine, Feline, Mouse
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PRODUCT SYNONYMS

CD79a; Monoclonal Antibody; anti-CD79a antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Canine, Feline, Mouse
Clonality	Monoclonal
Isotype	IgG1/K
Clone Number	JCB117
Form/Format	CD79a is a mouse monoclonal antibody derived from cell culture supernatant that is concentrated, dialyzed, filter sterilized and diluted in buffer pH 7.5, containing BSA and sodium azide as a preservative.
Control	Tonsil, Lymph Node
Localization	Membranous
Immunogen	Recombinant protein containing part of the extracellular portion of the CD79a glycoprotein.
Precautions	1. For professional users only. Results should be interpreted by a qualified medical professional. 2. This product contains <0.1% sodium azide (NaN₃) as a preservative. Ensure proper handling procedures are used with this reagent. 3. Always wear personal protective equipment such as laboratory coat, goggles and gloves when handling reagents. 4. Dispose of unused solution with copious amount of water. 5. Do not ingest reagent. If reagent is ingested, seek medical advice immediately. 6. Avoid contact with eyes. If contact occurs, flush with large quantities of water. 7. Follow safety precautions of the heating device used for epitope retrieval (TintoRetriever Pressure Cooker or similar). 8. For additional safety information refer to Safety Data Sheet for this product. 9. For complete recommendations for handling biological specimens, please refer to the CDC document, "Guidelines for Safe Work Practices in Human and AMDL".
Specimen Preparation	Paraffin sections: The antibody can be used on formalin-fixed paraffin-embedded (FFPE) tissue sections. Ensure tissue undergoes appropriate fixation for best results. Pre-treatment of tissues with heat-induced epitope retrieval (HIER) is recommended using ImmunoDNA Retriever with Citrate, ImmunoDNA Retriever with EDTA or ImmunoDNA Digestor. See reverse side for complete protocol. Tissue should remain hydrated via use of DNA Washer solutions. Frozen sections and cell preparations: The antibody can be used for labeling acetone-fixed frozen sections and acetone-fixed cell preparations.
Reactivity Note	Paraffin, Frozen

Staining Procedure	1. Cut and mount 3-5 micron formalin-fixed paraffin-embedded tissues on positively charged slides such as Hydrophilic Plus Slides. 2. Air dry for 2 hours at 58° C. 3. Deparaffinize, dehydrate and rehydrate tissues. 4. Subject tissues to heat induced epitope retrieval (HIER) using a suitable retrieval solution such as ImmunoDNA Retriever with Citrate or EDTA. 5. Any of three heating methods may be used: a. TintoRetriever Pressure Cooker or EquivalentPlace tissues/slides in a staining dish or coplin jar containing the ImmunoDNA Retriever with Citrate or EDTA, and place on trivet in the pressure cooker. Add 1-2 inches of distilled water to the pressure cooker and turn heat to high. Incubate for 15 minutes. Open and immediately transfer slides to room temperature. b. TintoRetriever PT Module or Water Bath Method Place tissues/slides in a pre-warmed staining dish or coplin jar containing the ImmunoDNA Retriever with Citrate or EDTA at 95°-99° C. Incubate for 30-60 minutes. c. Conventional Steamer MethodPlace tissues/slides in a pre-warmed staining dish or coplin jar containing the ImmunoDNA Retriever with Citrate or EDTA in a steamer, cover and steam for 30-60 minutes. 6. After heat treatment, transfer slides in ImmunoDNA Retriever with Citrate or EDTA to room temperature and let stand for 15-20 minutes. 7. For manual staining, perform antibody incubation at ambient temperature. For automated staining methods, perform antibody incubation according to instrument manufacturer's instructions. 8. Wash slides with ImmunoDNA washer or DI water. 9. Continue IHC staining protocol. Wash slides between each step with ImmunoDNA washer solution.
Mounting Protocols	For detailed instructions using biodegradable permanent mounting media such as XyGreen PermaMounter or organic solvent based resin such as PermaMounter, contact Tech Support.
Product Limitations	Due to inherent variability present in immunohistochemical procedures (including fixation time of tissues, dilution factor of antibody, retrieval method utilized and incubation time), optimal performance should be established through the use of positive and negative controls. Results should be interpreted by a qualified medical professional
Preparation and Storage	Storage: Store at 2-8°C (Control Slides: Store at 20-25°C) Stability: This product is stable up to the expiration date on the product label. Do not use after expiration date listed on package label. Temperature fluctuations should be avoided. Store appropriately when not in use, and avoid prolonged exposure to room temperature conditions.

IMAGES

Product Limitations

Normal Tissues	
Positive (+)	
Plasma Cells	B-Cells
Abnormal Tissues	
Positive (+)	
B-cell neoplasms	lymphoblastic lymphomas
Lymphoblastic leukaemias	Lymphocytic lymphomas
Lymphoplasmacytoid lymphomas	mantle cell lymphomas
Follicular lymphomas	MALT lymphomas
large cell lymphomas	Burkitt's lymphomas
tumour cells	hairy cell leukaemias 15/15
B-cell anaplastic large cell lymphomas 13/15	
myelomas/plasmacytomas 10/20	
CD3+ T (precursor)-acute lymphoblastic leukaemia/lymphoma Variable, 10-90%	
Negative (-)	
enteropathy-type intestinal T-cell lymphomas 4/94	
nasal NK/T-cell lymphomas which were CD3+ 1/11	
non-lymphoid neoplasms	
T-cell lymphoblastic lymphomas/leukaemias 9/98	
mycosis fungoides 10/98	
peripheral T-cell lymphomas 32/98	
angioblastic T-cell lymphomas 8/98	
T-cell anaplastic large cell lymphomas 11/98	
acute myeloid leukaemias 28/98	

Application Data

Product Limitations

Abbreviated Immunohistochemical Protocol

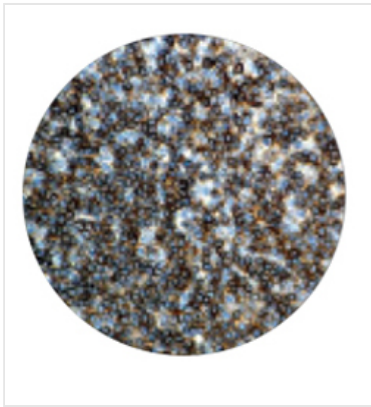
Step	ImmunoDetector AP/HRP	PolyDetector AP/HRP	PolyDetector Plus HRP
Peroxidase/AP Blocker	5 min.	5 min.	5 min
Primary Antibody	30-60 min.	30-60 min.	30-60 min.
1st Step Detection	10 min.	30-45 min.	15 min.
2nd Step Detection	10 min.	Not Applicable	15 min.
Substrate-Chromogen	5-10 min.	5-10 min.	5-10 min.
Counterstain / Coverslip	Varies	Varies	Varies

Application Data

Abbreviated Immunohistochemical Protocol

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Page 2 of 3



Antibody Type	Dilution	Volume/QTY
Prediluted	Ready-To-Use	3.0 ml
Prediluted	Ready-To-Use	7.0 ml
Prediluted	Ready-To-Use	15.0 ml
Concentrated	1:250-1:1000	0.1 ml
Concentrated	1:250-1:1000	0.5 ml
Concentrated	1:250-1:1000	1.0 ml
Control Slides		5

Application Data

IHC (Immunohistochemistry)
Inset: IHC of CD79a on a FFPE Colon Tissue

ADDITIONAL INFORMATION

Related Product Information for anti-CD79a antibody

CD79a is non-covalently associated with membrane-bound immunoglobulins on B-cells to constitute the B-cell Ag receptor. CD79a first appears at pre B-cell stage 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. CD79a is a B-cell marker that is generally used to complement CD20. This antibody will stain many of the same Lymphomas as CD20, but also stains more B-precursor Lymphoid Leukemias than CD20. CD79a also stains more cases of Plasma-cell Myeloma and occasionally some types of endothelial cells as well. CD79a will stain many cases of Acute Promyelocytic Leukemia (FAB-M3), but only rarely stains other types of Myeloid Leukemia.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1087007
NCBI GeneID	973
UniProt Accession #	P11912; Q53FB8
NCBI Official Full Name	CD79a
NCBI Official Synonym Full Names	CD79a molecule, immunoglobulin-associated alpha
NCBI Official Symbol	CD79A
NCBI Official Synonym Symbols	IGA; MB-1
NCBI Protein Information	B-cell antigen receptor complex-associated protein alpha chain; ig-alpha; MB-1 membrane glycoprotein; surface IgM-associated protein; CD79a antigen (immunoglobulin-associated alpha); membrane-bound immunoglobulin-associated protein
UniProt Protein Name	B-cell antigen receptor complex-associated protein alpha chain
UniProt Gene Name	CD79A
UniProt Synonym Gene Names	IGA; MB1
UniProt Entry Name	CD79A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd79a-antibody-clone-jcb117-elisa/59198>