CE IVD

Mouse anti-CD79a

Cat. No.: AIB-30049 (1 ml Concentrate); AIB-30050 (0.5 ml Concentrate); AIB-30048 (6 ml Ready-to-use)

Instructions for use

Intended use
This antibody is designed for the specific localisation of CD79a in formalin-fixed, paraffin-embedded tissue sections. Anti-CD79a antibody is intended for in vitro diagnostic use.

Specifications

Specificity:	Cd79a
Immunogen:	Recombinant protein according to an extra cellular fraction of human CD79a
Clone:	JCB117
Isotype:	Mouse IgG1 kappa
Species reactivity:	Human +, others not tested

Summary and Description
CD79 is composed of the glycoproteins CD79α (40 – 45 kDa) and CD79β (37 kDa). Both components form the disulfid-linked heterodimer CD79 (82 – 95 kDa). The B-cell antigen receptor complex is formed via association of CD79a with membrane-bound immunoglobulins. Expression of CD79a is largely restricted to B-cell lineage. However, CD79a is coexpressed with CD3. According to Pilozzi et al. CD79a positive T-lymphoblastic leukemias/lymphomas are also positive for CD3, whereas cases of Blymphoblastic leukemias/lymphomas are CD3 negative and CD79a positive. Initially, CD79a exists in precursor B-cells as cyCD79 in the cytoplasm. During the pro B-cell phase expression on the cell surface starts and remains during the whole differentiation. At the beginning of plasma cell differentiation CD79 expression is stopped. Eventually, only a small amount of plasma cells contain CD79a. CD79a is stronger expressed by B-cells of the follicular mantel zone than by cells in the germ centre. Anti-CD79a antibody of clone JCB117 is helpful for identification of B-cell neoplasias of all stages of maturity.

Reagent provided
Mouse monoclonal antibody from cell culture supernatant in PBS with carrier protein and preservative for stabilisation in the following formats:

Concentrate:	1 ml	(Cat. No. AIB-30049)
Concentrate:	0.5 ml	(Cat. No. AIB-30050)
Ready-to-use:	6 ml	(Cat. No. AIB-30048)

Dilution of primary antibody
Dilution of Nordic Biosite' concentrated antibody depends on the detection system used. The final working dilution must always be determined by the user. The elaboration of staining protocol should be done by an experienced specialist. For Nordic Biosite' recommendations see chapter 'Staining procedure'.

Explanations of the symbols on the product label:

REF	Catalog Number Bestellnummer Reference du catalogue	LOT	Batch Code Chargenbezeichnung Code du lot	Manufacturer Nordic BioSite AB Propellervägen 4A S-183 62 Täby Sweden Tel: +46 (0)8 5444 33 40 Fax: +46 (0)8 756 94 90 info@nordicbiosite.com www.nordicbiosite.com
	Use By Verwendbar bis Utiliser jusque	IVD	In Vitro Diagnostic Medical Device In vitro Diagnostikum Dispositif médical de diagnostic in vitro	
	Consult Instructions for use Gebrauchsanweisung beachten Consulter les instructions d'utilisation		Temperature Limitation Lagerungstemperatur Limites de température	

Storage and handling
The antibody should be stored at 2-8°C without furt her dilution.
Dilutions of the concentrated antibody should be done with a suitable antibody dilution buffer (e.g. BCB-20005/BCB-20006 from Nordic Biosite). The diluted antibody should be stored at 2-8°C after use. Stability of this working solution depends on various parameters and has to be confirmed by appropriate controls. The antibody provided is suitable for use until the expiry date indicated on the label, if stored at 2-8°C. Do not use product after the expiry date.
Positive and negative controls should be run simultaneously with all specimens. If unexpected staining is observed which cannot be explained by variations in laboratory procedures and a problem with the antibody is suspected, contact Nordic Biosite' technical support or your local distributor.

Precautions
Use through qualified personnel only.
Wear protective clothing to avoid contact of reagents and specimens with eye, skin and mucous membranes. If reagents or specimens come in contact with sensitive area, wash with large amounts of water.
Microbial contamination of the reagent must be avoided, since otherwise non-specific staining may occur. Sodium azide (NaN3), used for stabilisation, is not considered hazardous material in the concentration used.
Reaction of sodium azide with lead or copper in drainage pipes can result in the formation of highly explosive metallic azides.Sodium azide should be discarded in a large volume of running water to avoid formation of deposits.
Material safety data sheets (MSDS) are available upon request.

Staining procedure
Refer to the following table for conditions specifically recommended for this antibody. Also refer to detection system data sheets for guidance on specific staining protocols or other requirements.

Parameters	Nordic BioSites recommendations
*Pre-treatment	Heat Induced Epitope Retrieval (for example in Citrate Buffer pH 6.0 (BCB-20015/-20016)
*Control tissue	Tonsil, lymph nodes
*Working dilution	1:50-1:100 (for concentrates)
*Incubation time	30-60 minutes

Quality control
The recommended positive control tissues for this antibody are tonsils and lymph nodes. We recommend carrying out a positive and a negative control with every staining run. Please refer to the instructions of the detection system for guidance on general quality control procedures.

Troubleshooting
If you observe unusual staining or other deviations from the expected results please read these instructions carefully, refer to the instructions of the detection system for relevant information or contact your local distributor.

Expected results
This antibody stains positive in the cell membrane and/or the cytoplasm of CD79a positive cells in formalin-fixed, paraffin-embedded tissue sections. Further details about the expression pattern of CD79a can be found in the chapter 'Summary and Description'. Interpretation of the staining results is solely the responsibility of the user. Any experimental result should be confirmed by a medically established diagnostic procedure.

Explanations of the symbols on the product label:

REF	Catalog Number Bestellnummer Reference du catalogue	LOT	Batch Code Chargenbezeichnung Code du lot	Manufacturer Nordic BioSite AB Propellervägen 4A S-183 62 Täby Sweden Tel: +46 (0)8 5444 33 40 Fax: +46 (0)8 756 94 90 info@nordicbiosite.com www.nordicbiosite.com
	Use By Verwendbar bis Utiliser jusque	IVD	In Vitro Diagnostic Medical Device In vitro Diagnostikum Dispositif médical de diagnostic in vitro	
	Consult Instructions for use Gebrauchsanweisung beachten Consulter les instructions d'utilisation		Temperature Limitation Lagerungstemperatur Limites de température	

Limitations of the Procedure
Immunohistochemistry is a complex technique involving both histological and immunological detection methods. Tissue processing and handling prior to immunostaining, for example variations in fixation and embedding or the inherent nature of the tissue can cause inconsistent results (Nadji and Morales, 1983). Endogenous peroxidase, alkaline phosphatase or biotin may cause non-specific staining depending on the detection system used. Tissues containing Hepatitis B Surface Antigen (HBsAg) may give false positive results with HRP (horse radish peroxidase) detection systems (Omata et al, 1980). Inadequate counterstaining and mounting can influence the interpretation of the results.
Nordic Biosite warrants that the product will meet all requirements described from its shipping date until the expiry date is reached, if the product is stored and utilised as recommended. No additional guarantees can be given. Under no circumstances shall Nordic Biosite be liable for any damages arising out of the use of the reagent provided.

Performance characteristics
Nordic Biosite has conducted studies to evaluate the performance of the antibody for use with a standard detection system. The product has been found to be sensitive and specific to the antigen of interest with minimal or no cross-reactivity.

Bibliography

Mason DY et al. Blood 86:1453-1459, 1995
Pilozzi E et al. J Pathol 186:140-143, 1998
Nadji M and Morales AR Ann N.Y. Acad Sci 420:134-9, 1983
Omata M et al. Am J Clin Pathol 73(5): 626-32, 1980

October 23, 2013 Rev: A1013 Doc: DBE_AIB-30049/-30050/-30048

Explanations of the symbols on the product label:

REF	Catalog Number Bestellnummer Reference du catalogue	LOT	Batch Code Chargenbezeichnung Code du lot	Manufacturer Nordic BioSite AB Propellervägen 4A S-183 62 Täby Sweden Tel: +46 (0)8 5444 33 40 Fax: +46 (0)8 756 94 90 info@nordicbiosite.com www.nordicbiosite.com
	Use By Verwendbar bis Utiliser jusque	IVD	In Vitro Diagnostic Medical Device In vitro Diagnostikum Dispositif médical de diagnostic in vitro	
	Consult Instructions for use Gebrauchsanweisung beachten Consulter les instructions d'utilisation		Temperature Limitation Lagerungstemperatur Limites de température	