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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
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Technically
Speaking

CEDARLANE[®] 
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Conveniently Delivering You Today's Innovations
for the Science of Tomorrow™

**Anti-Rat CD71 (Transferrin Receptor)
Monoclonal Antibody**

Catalogue#	Format	Size	Concentration	Isotype Control
CL071A	Ascities	0.50ml	1.0 mg/ml	CLCMG2A00
CL071AP	Purified	250µg	1.0 mg/ml	CLCMG2A00
CL071AP-2	Purified	500µg	1.0 mg/ml	CLCMG2A00
CL071B	Biotin	100µg	0.1 mg/ml	CLCMG2A15
CL071B-5	Biotin	500µg	0.1 mg/ml	CLCMG2A15
CL071F	FITC	100ug	0.1 mg/ml	CLCMG2A01
CL071 F-5	FITC	500ug	0.1 mg/ml	CLCMG2A01
CL071AF4	Alexa Fluor [®] 488	100 µg	0.1 mg/ml	N/A

Alexa Fluor[®] is a registered trademark of Life Technologies Corporation.

Isotype: Mouse IgG2a

DESCRIPTION:

Cedarlane's anti-rat CD71 monoclonal antibody recognizes the transferrin receptor. This 95kDa molecule is found on proliferating cells and brain endothelium.

Applications: flow cytometry, immunohistochemistry (frozen sections) and immunoprecipitation. This antibody does not block the binding of transferrin to the receptor.

PRESENTATION:

Purified: Purified IgG buffered in PBS and 0.02% NaN₃. (Purified from ascitic fluid via Protein G Chromatography). For maximum recovery of contents, spin down tube before use.

Biotin, FITC and AF488 : Biotin/FITC/AF488 conjugated IgG buffered in PBS, 0.02% NaN₃ and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml.

STORAGE/STABILITY:

Store at 4°C. DO NOT FREEZE **AF488** conjugates. For long term storage, aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

SPECIFICATIONS:

Clone: OX-26

Hybridoma Production:

Immunization: Immunogen: PHA activated lymph node cells of a PVG rat

Donor: BALB/c spleen

Fusion Partner: NS1/1.Ag.4.1

Specificity: Rat CD71 (transferrin receptor)

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An ISO 9001:2000 and ISO 13485:2003
registered company.

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FLOW CYTOMETRY ANALYSIS:

Results:

Tissue Distribution by Flow Cytometry Analysis:

Rat Strain: Wistar

Cell Concentration: 1×10^6 cells per test

Antibody Concentration Used: $0.5 \mu\text{g}/10^6$ cells

Cell Source

Percentage of cells stained above control:

Bone Marrow

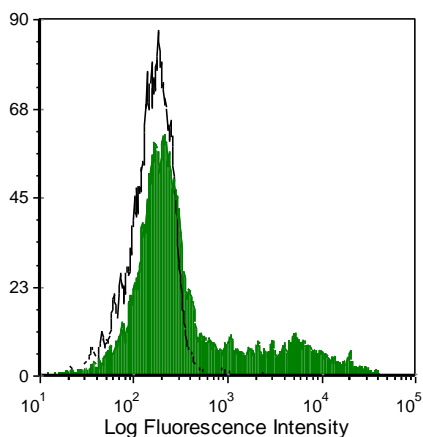
20.5%

T Cell Blasts

92.2%

Spleen

12.5%



Wistar rat bone marrow stained with anti-CD71 (clone: OX-26) (filled histogram) or mouse IgG2a, \square isotype control (open histogram).

N.B. Appropriate control samples should always be included in any labelling studies.

*** For optimal results in various applications, it is recommended that each investigator determine dilutions appropriate for individual use.**

REFERENCES:

- 1) Jefferies, W.A., Brandon, M.R., Williams, A.F., Hunt, S.V. (1985) Analysis of lymphopoietic stem cells with a monoclonal antibody to the rat transferrin receptor. *Immunology* 54:333-341.
- 2) Jefferies, W.A., Brandon, M.R., Hunt, S.V., Williams, A.F., Gatter K.C. (1984) Transferrin receptor on endothelium of brain capillaries. *Nature* 312:162-163.

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