



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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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 <sup>®</sup> 488	100 µg	0.1 mg/ml	N/A

Alexa Fluor<sup>®</sup> 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% NaN<sub>3</sub>. (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% NaN<sub>3</sub> 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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## **FLOW CYTOMETRY ANALYSIS:**

### Results:

#### Tissue Distribution by Flow Cytometry Analysis:

Rat Strain: Wistar

Cell Concentration:  $1 \times 10^6$  cells per test

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

#### Cell Source

#### Percentage of cells stained above control:

Bone Marrow

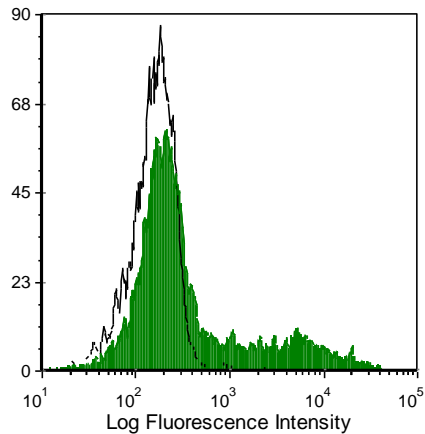
20.5%

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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