



# 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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Technically  
Speaking

**CEDARLANE**<sup>®</sup>   
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Conveniently Delivering You Today's Innovations  
for the Science of Tomorrow™

**Anti-Mouse I-E<sup>k</sup> (Ia.m7)  
Monoclonal Antibody**

Catalogue#	Format	Size	Concentration	Isotype Control
<b>CL8705A</b>	Ascites	0.5ml	NA	CLCMG2A00
<b>CL8705AP</b>	Purified	250µg	1.0 mg/ml	CLCMG2A00
<b>CL8705NA</b>	No Azide	1.0mg	1.0 mg/ml	CLCMG2A00
<b>CL8705B</b>	Biotin	100µg	0.1 mg/ml	CLCMG2A15
<b>CL8705F</b>	FITC	100µg	0.1 mg/ml	CLCMG2A01
<b>CL8705PE</b>	PE	50µg	0.1 mg/ml	CLCMG2A04

Isotype: Mouse IgG<sub>2a</sub>

**DESCRIPTION:**

Cedarlane's anti-I-E<sup>k</sup> monoclonal antibody is specific for cells expressing the Ia antigen coded for by the E<sub>α</sub> sub-region. The reaction pattern of this antibody with a panel of standard and recombinant haplotypes demonstrates that this antibody reacts with antigen Ia.m7, which is expressed by all haplotypes except b,f,q and s. This antibody is well suited for the quantitation and elimination of Ia bearing cells.

**PRESENTATION:**

**Ascites:** Lyophilized

**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 PE:** Biotin/FITC/PE 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.

**No Azide:** Purified Ig buffered in PBS, no preservative, 0.2µm sterile filtered.

**STORAGE/STABILITY:**

Store **Ascites** at -20°C. For all other formats, store at 4°C. DO NOT FREEZ **PE** conjugates. For long term storage (**Purified, No Azide, Biotin** and **FITC**), aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

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**SPECIFICATIONS:**

Clone: 14-4-4S

Hybridoma Production:

Immunization: Immunogen: C3H mouse skin graft and splenocytes.

Donor: C3H.SW

Fusion Partner: SP2/0-Ag 14

Specificity: Mouse I-E<sup>k</sup>

**TEST RESULTS:**

Tissue Distribution by Flow Cytometry Analysis:

Mouse Strain: CBA/J

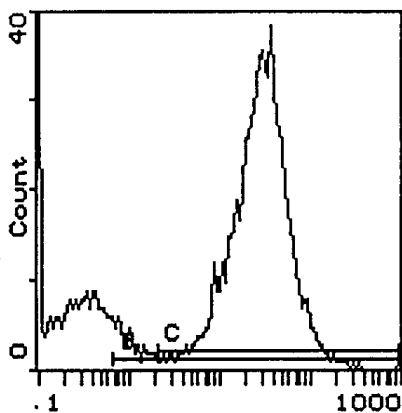
Cell Concentration: 1x10<sup>6</sup> cells per tests

Antibody Concentration Used: 0.5 µg/10<sup>6</sup> cells

Cell Source

Percentage of cells stained above control:

Spleen	62.2%
Lymph Node	26.6%
Bone Marrow	39.0%



Anti-Mouse I-E<sup>k</sup> (Ia.m7)  
Cell Source: Spleen

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

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

Other Strains Tested:

<u>Strains</u>	<u>H-2 Loci Alleles</u>								
	<u>K</u>	<u>A<sub>β</sub></u>	<u>A<sub>α</sub></u>	<u>E<sub>β</sub></u>	<u>E<sub>α</sub></u>	<u>C4</u>	<u>C4S</u>	<u>D</u>	<u>+/-</u>
A.TH	s	s	s	s	s	s	s	d	-
B10.A (3R)	b	b	b	b/k	k	d	d	d	+
AKR	k	k	k	k	k	k	k	k	+
C3H/He	k	k	k	k	k	k	k	k	+
A.TL	s	k	k	k	k	k	k	d	+
C57BL/6	b	b	b	b	b	b	b	b	-
BALB/c	d	d	d	d	d	d	d	d	+

**REFERENCES:**

- Ozato, K., Mayer, N., and Sachs, D.H. 1980. Hybridoma cell line secreting monoclonal antibodies to mouse H-2 and Ia Antigens. *J. Immunol.*: 214:533-540.
- Epstein, S., Ozato, K., Bluestone, J., and Sachs, D.H. 1981. Idiotypes of Anti-Ia antibodies. *J. Exp. Med.* **154**: 397-410.

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