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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Technically
Speaking

CEDARLANE[®] 
www.cedarlanelabs.com

Conveniently Delivering You Today's Innovations
for the Science of Tomorrow™

**Anti-Mouse I-E^k (Ia.m7)
Monoclonal Antibody**

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

Isotype: Mouse IgG_{2a}

DESCRIPTION:

Cedarlane's anti-I-E^k monoclonal antibody is specific for cells expressing the Ia antigen coded for by the E_α 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% NaN₃. (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% NaN₃ 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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CEDARLANE[®] 

www.cedarlanelabs.com

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

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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^k

TEST RESULTS:

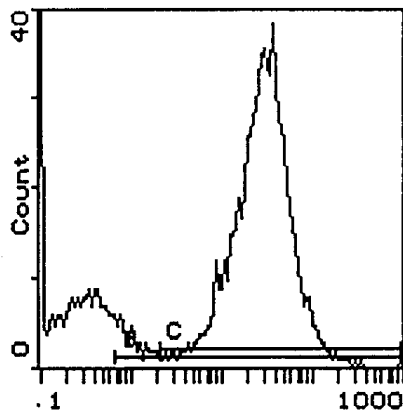
Tissue Distribution by Flow Cytometry Analysis:

Mouse Strain: CBA/J

Cell Concentration: 1x10⁶ cells per tests

Antibody Concentration Used: 0.5 µg/10⁶ cells

<u>Cell Source</u>	<u>Percentage of cells stained above control:</u>
Spleen	62.2%
Lymph Node	26.6%
Bone Marrow	39.0%



Anti-Mouse I-E^k (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_β</u>	<u>A_α</u>	<u>E_β</u>	<u>E_α</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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