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TECHNICALLY Speaking

Place your order with CEDARLANE® or your local distributor.
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Anti-Mouse DO11.10 TCR Monoclonal Antibody

Catalogue#	Format	Size	Concentration	Isotype Control
CL7214A	Ascites	1.0 ml	N/A	CLCMG2A00
CL7214AP	Purified	200 µg	1.0 mg/ml	CLCMG2A00
CL7214APC	APC	100 µg	0.1 mg/ml	CLCMG2A05
CL7214B	Biotin	100 µg	0.1 mg/ml	CLCMG2A15
CL7214F	FITC	100 µg	0.1 mg/ml	CLCMG2A01
CL7214PE	PE	50 µg	0.1 mg/ml	CLCMG2A04
CL7214TC	PE-Cy5	100 µg	0.1 mg/ml	CLCMG2A06

Isotype: Mouse IgG2a

DESCRIPTION:

This monoclonal antibody binds the T-cell receptor (TCR) expressed on DO11.10 and DO11.10.24 murine T cell hybridomas, but not on any other T cell hybridomas tested.¹ The TCR expressed on DO11.10 recognizes an ovalbumin peptide in the context of I-A^d major histocompatibility molecules.^{1,2} The use of DO11.10 and clone KJ1-26 have proven to be instrumental in describing many of the intricate details of T cell immunity.^{3,4,5,6} The DO11.10 T cell hybridoma is available from the laboratories of Drs. Kappler and Marrack.^{2,7}

This antibody is suitable for use in flow cytometry.

PRESENTATION:

Purified: Purified IgG buffered in PBS and 0.02% NaN₃. (Purified from ascitic fluid via Protein G Chromatography).

APC, Biotin, FITC, PE and TC: 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.

Continued Overleaf.....

For more information or to place an order please contact...

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STORAGE/STABILITY:

For all formats, store at 4°C. DO NOT FREEZE PE, APC or TC conjugates. For long term storage (Ascites, Purified, Biotin, FITC), aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

SPECIFICATIONS:

Clone: KJ1-26

Hybridoma Production:

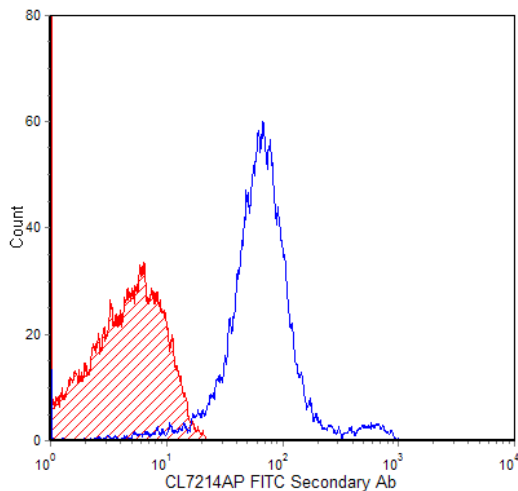
Immunization:
Immunogen: T cell hybridoma, D011.10
Donor: mouse ascites fluid

Specificity: Mouse D011.10 TCR

TEST RESULTS:

Tissue Distribution by Flow Cytometry Analysis:

Mouse Strain: BALB/c-[Tg] D011.10 TCR-[KO] RAG2
Cell Concentration : 1x10⁶ cells per tests
Antibody Concentration Used: 0.5 µg/10⁶ cells
Isotypic Control (shaded): Purified Mouse IgG2a



Cell Source: Balb/c TCR Positive Thymocytes
Percentage of cells stained above control: 96.7%

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.**

Continued Overleaf.....

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