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Product datasheet for CL121R

MHC Class II RT1D Mouse Monoclonal Antibody [Clone ID: OX-17]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OX-17
Applications:	FC
Recommended Dilution:	**Flow Cytometry.** Tissue Distribution by Flow Cytometry Analysis: Rat Strain: Buffalo. Cell Concentration : 1x10e6 cells per test. Antibody Concentration Used: 0.5 µg/10e6 cells. Isotypic Control: PE Mouse IgG1 Cell Source: Percentage of cells stained above control Thymus: 13.3% Spleen: 49.6% Lymph Node: 25.4%
Reactivity:	Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Rat spleen membrane glycoproteins depleted of Ia-A antigens.
Specificity:	Recognizes Rat RT1.D (Rat Ia-E). This RT1.D monoclonal antibody recognizes a monomorphic determinant on the a chain of the rat Ia antigen and appears to be the Rat homologue of Mouse Ia-E. It recognizes the rat Ia product present on B, but not T cells from lymph node or thoracic duct lymph. It does not bind to thymocytes or erythrocytes. The antibody does not cross-react with Rat Ia-A or Mouse Ia-E antigen, but Rabbit antibody raised against the antibody affinity column-purified MRC OX-17 antigen cross-reacted on tissues of mice expressing Ia-E Mouse antigen but not on those Mouse strains that were Ia-E antigen negative (2).

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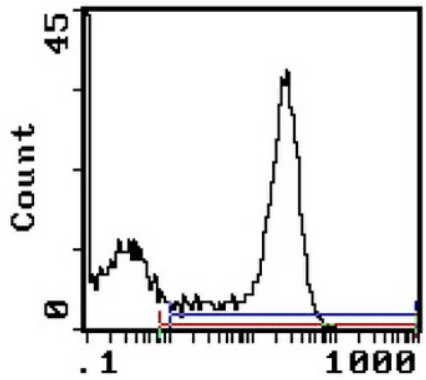
Formulation:	PBS containing 0.02% Sodium Azide as preservative and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml. Label: PE State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Protein G Chromatography.
Conjugation:	PE
Storage:	Store the antibody undiluted at 2-8°C. **DO NOT FREEZE!** This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Synonyms:	HLA Class II
Note:	Protocol: **Flow Cytometry Analysis:** **Method:** 1. Prepare a cell suspension in media A. For cell preparations, deplete the red blood cell population with Lympholyte®-Rat Cell Separation Medium (CL5040). 2. Wash 2 times. 3. Resuspend the cells to a concentration of 2x10e7 cells/ml in media A. Add 50 µl of this suspension to each tube (each tube will then contain 1 x 10e6 cells, representing 1 test). 4. To each tube, add 0.5 µg of CL121R per 10e6 cells. 5. Vortex the tubes to ensure thorough mixing of antibody and cells. 6. Incubate the tubes for 30 minutes at 4°C. (It is recommended that the tubes are protected from light, since most fluorochromes are light sensitive.) 7. Wash 2 times at 4°C. 8. Resuspend the cell pellet in 50 µl ice cold media B. 9. Transfer to suitable tubes for flow cytometric analysis containing 15 µl of propidium iodide at 0.5 mg/ml in PBS. This stains dead cells by intercalating in DNA. **Media:** A. Phosphate buffered saline (pH 7.2) + 5% normal serum of host species + sodium azide (100 µl of 2M sodium azide in 100 mls). B. Phosphate buffered saline (pH 7.2) + 0.5% Bovine serum albumin + sodium azide (100 µl of 2M sodium azide in 100 mls).

Product images:



Cell Source: Spleen. Percentage of cells stained above control: 49.6%