

ARG22773 anti-MHC Class II RT1B antibody [OX-6] (PE)

Package: 50 tests
Store at: 4°C

Summary

Product Description	<p>PE-conjugated Mouse Monoclonal antibody [OX-6] recognizes MHC Class II RT1B</p> <p>This antibody recognizes a monomorphic determinant of the Rat RT1B MHC class II antigen present on B lymphocytes, dendritic cells, some macrophages and certain epithelial cells.</p> <p>Rat MHC Class II RT1B antibody, clone OX-6 does not react with the Rat BDIX strain due to a defect in RT1B expression (Male et al. 1987).</p> <p>The major histocompatibility complex (MHC) is a cluster of genes that are important in the immune response to infections. In rats, this complex is referred to as the RT1 region. In mice, this complex is referred to as the H-2 region.</p> <p>Mouse anti Rat MHC Class II RT1B antibody, clone OX-6 also cross reacts with a polymorphic determinant on mouse strains of the H-2 haplotypes k and s. Analysis of recombinant mouse strains has mapped the OX-6 determinant to the H-2I-A region (McMaster and Williams 1979 and Male et al. 1987).</p> <p>This product is routinely tested in flow cytometry on Rat splenocytes.</p>
Tested Reactivity	Ms, Rat
Tested Application	FACS
Host	Mouse
Clonality	Monoclonal
Clone	OX-6
Isotype	IgG1
Target Name	MHC Class II RT1B
Species	Rat
Immunogen	Rat thymocyte membrane glycoproteins.
Conjugation	PE

Application Instructions

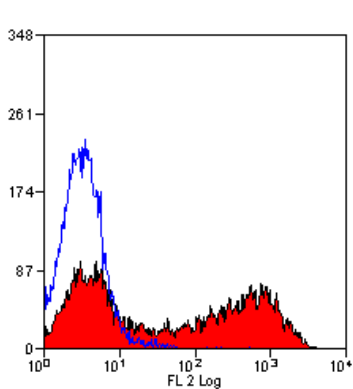
Application table	Application	Dilution
	FACS	Neat - 1:10
Application Note	<p>FACS: Use 10 µl of the suggested working dilution to label 10⁶ cells in 100 µl.</p> <p>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.</p>	

Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS, 0.09% Sodium azide, 1% BSA and 5% Sucrose.
Preservative	0.09% Sodium azide

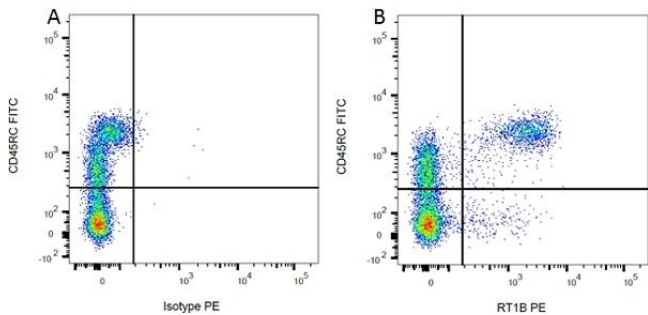
Stabilizer	1% BSA and 5% Sucrose
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Images



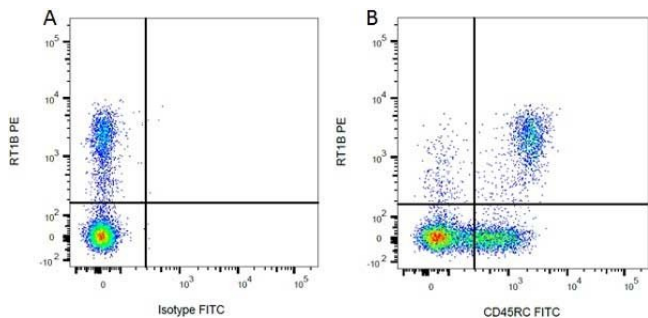
ARG22773 anti-MHC Class II RT1B antibody [OX-6] (PE) FACS image

Flow Cytometry: Rat spleen cells stained with ARG22773 anti-MHC Class II RT1B antibody [OX-6] (PE).



ARG22773 anti-MHC Class II RT1B antibody [OX-6] (PE) FACS image

Flow Cytometry: Figure A. anti-Rat CD45RC (FITC) and Mouse IgG1 isotype control (PE). Figure B. anti-Rat CD45RC (FITC) and ARG22773 anti-MHC Class II RT1B antibody [OX-6] (PE). All experiments performed on red cell lysed Rat blood gated on mononuclear cells.



ARG22773 anti-MHC Class II RT1B antibody [OX-6] (PE) FACS image

Flow Cytometry: Figure A. ARG22773 anti-MHC Class II RT1B antibody [OX-6] (PE) and Mouse IgG1 isotype control (FITC). Figure B. ARG22773 anti-MHC Class II RT1B antibody [OX-6] (PE) and anti-Rat CD45RC (FITC). All experiments performed on red cell lysed Rat blood gated on mononuclear cells.