

Product Datasheet

MHC Class II RT1Bu Antibody (OX-3) - BSA Free NB100-65011-250ug

Unit Size: 250 ug

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Product Information	
Unit Size	250 ug
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OX-3
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS
Product Description	
Host	Mouse
Gene ID	3123
Gene Symbol	HLA-DRB1
Species	Rat
Reactivity Notes	Predicted cross-reactivities: Mouse Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Specificity/Sensitivity	NB100-65011 recognizes a polymorphic determinant of rat Ia antigen (RT1Bu) present on Lewis, Wistar and AO strain rats but not BN, DA or PVG/c strains (1,2). This antibody is useful for distinguishing Ia positive cells from different rat strains, e.g. for recognizing cells of donor origin in bone marrow reconstituted radiation chimaeras (3,4). MRC OX-3 cross reacts with mouse strains of MHC haplotypes b and s, and analysis of recombinant mouse strains showed that the determinants mapped to the I-A region. NB100-65011 recognizes Ia antigens on B-cells, dendritic cells and certain epithelial cells (1,3,4). This product is routinely tested in flow cytometry on Lewis rat splenocytes.
Immunogen	Rat thymocyte membrane glycoproteins
Product Application Details	
Applications	Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Flow Cytometry 1:100, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500

Publications

Crook K, Hunt SV. Enrichment of early fetal-liver hemopoietic stem cells of the rat using monoclonal antibodies against the transferrin receptor, Thy-1, and MRC-OX82. Dev Immunol. [PMID: 8924759] (FLOW, Rat)

Hancock WW, Khoury SJ, Carpenter CB, Sayegh MH. Differential effects of oral versus intrathymic administration of polymorphic major histocompatibility complex class II peptides on mononuclear and endothelial cell activation and cytokine expression during a delayed-type hypersensitivity response. Am J Pathol. [PMID: 8203456] (IHC-Fr, Rat)



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Products Related to NB100-65011-250ug

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NB100-65011UV	MHC Class II RT1Bu Antibody (OX-3) [DyLight 350]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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