

# Product Datasheet

## MHC Class II RT1Bu Antibody (OX-3) [Alexa Fluor® 488] NB100-65011AF488

Unit Size: 0.25 ml

Store at 4C in the dark.

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**NB100-65011AF488**

MHC Class II RT1Bu Antibody (OX-3) [Alexa Fluor® 488]

Product Information	
Unit Size	0.25 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	OX-3
Preservative	0.05% Sodium Azide
Isotype	IgG1
Conjugate	Alexa Fluor 488
Purity	Protein A or G purified
Buffer	50mM Sodium Borate
Product Description	
Host	Mouse
Gene ID	3123
Gene Symbol	HLA-DRB1
Species	Rat
Reactivity Notes	Reacts with Rat. Cross reacts with 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



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<b>Product Application Details</b>	
<b>Applications</b>	Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen





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### **Products Related to NB100-65011AF488**

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DDXCM01A488	Mouse IgG1 Isotype Control [Alexa Fluor® 488]
NB100-65011AF647	MHC Class II RT1Bu Antibody (OX-3) [Alexa Fluor® 647]
210-TA-005	TNF-alpha [Unconjugated]
285-IF-100	IFN-gamma [Unconjugated]

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### **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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