

# Product Datasheet

## MHC Class II Antibody (OX-6) - BSA Free NBP3-43538

Unit Size: 0.2 mg

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

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**NBP3-43538**

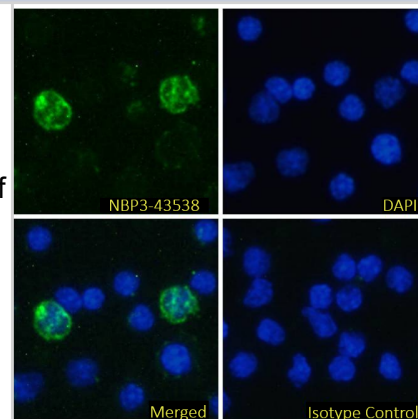
MHC Class II Antibody (OX-6) - BSA Free

Product Information	
Unit Size	0.2 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OX-6
Preservative	0.02% Proclin 300
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Mouse MHC Class II Antibody (OX-6) - BSA Free (NBP3-43482) is a recombinant monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	3108
Gene Symbol	HLA-DMA
Species	Mouse, Rat
Specificity/Sensitivity	This antibody recognises a monomorphic determinant of the rat MHC Class II (I-A) antigen present on B lymphocytes, dendritic cells, some macrophages and certain epithelial cells. It also cross-reacts with mouse MHC, specifically I-A[k] and I-A[s]
Immunogen	This antibody was prepared by subcutaneously injecting non-polymorphic MHC class II (Ia-like glycoproteins) from the membranes of rat thymocytes into BALB/c mice.
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Radioimmunoassay
Recommended Dilutions	Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Radioimmunoassay

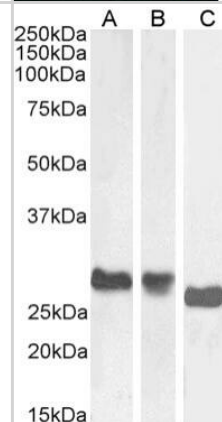


## Images

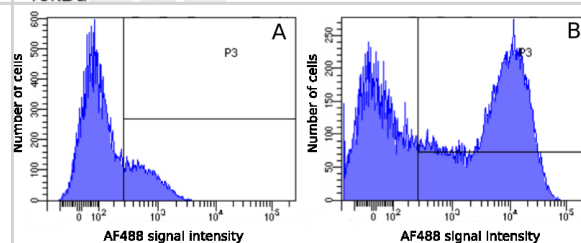
**Immunocytochemistry/ Immunofluorescence: MHC Class II Antibody (OX-6) - BSA Free [NBP3-43538]** - Immunofluorescence analysis of paraformaldehyde fixed rat (*Rattus norvegicus*) splenocytes on coverslips, permeabilized with 0.15% Triton stained with NBP3-43538 at 10 µg/ml for 1h followed by Alexa Fluor® 488 secondary antibody (1 µg/ml), showing membrane and some cytoplasmic staining of a subset of cells. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom NBP3-43538, DAPI, merged channels and an isotype control. The isotype control was stained with an anti-Fluorescein antibody followed by Alexa Fluor® 488 secondary antibody.



**Western Blot: MHC Class II Antibody (OX-6) - BSA Free [NBP3-43538]** - Rat spleen (A), rat thymus (B) and rat lymph node (C) lysate samples (35µg protein in RIPA buffer) were resolved on a 10% SDS PAGE gel and blots probed with NBP3-43538 at 1 µg/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence. The expected running size for MHC Class II is ~24.5-31.6kDa, depending on the isoform and post-translational modification. NBP3-43538 successfully detected MHC Class II in rat spleen, thymus and lymph node lysates.



**Flow Cytometry: MHC Class II Antibody (OX-6) - BSA Free [NBP3-43538]** - Staining of rat (*Rattus norvegicus*) leukocytes with either an isotype control (A) or NBP3-43538 at a concentration of 1 µg/ml for 30 mins at RT. After washing, bound antibody was detected using an Alexa Fluor® 488 conjugated donkey anti-rabbit antibody and cells analysed on a FACSCanto flow-cytometer.





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### **Products Related to NBP3-43538**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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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