

Product Datasheet

MHC Class II Antibody (OX-6) - Chimeric - BSA Free NBP3-43539

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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NBP3-43539

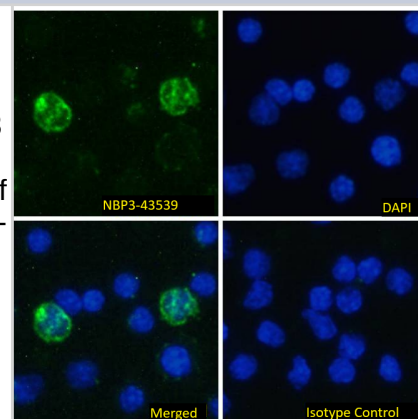
MHC Class II Antibody (OX-6) - Chimeric - BSA Free

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	IgG
Purity	Protein A purified
Buffer	PBS
Product Description	
Description	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.
Host	Rabbit
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

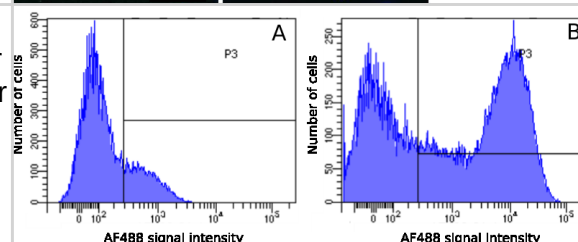


Images

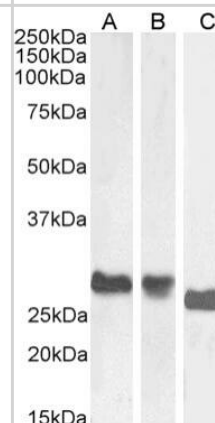
Immunocytochemistry /Immunofluorescence: MHC Class II Antibody (OX-6) - Chimeric - BSA Free [NBP3-43539] - Immunofluorescence analysis of paraformaldehyde fixed rat (*Rattus norvegicus*) splenocytes on Shi-fix coverslips, permeabilized with 0.15% Triton stained with NBP3-43539 at 10 ug/ml for 1h followed by Alexa Fluor488 secondary antibody (1 ug/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 NBP3-43539, DAPI, merged channels and an isotype control. The isotype control was stained with an anti-Fluorescein antibody followed by Alexa Fluor488 secondary antibody.



Flow Cytometry: MHC Class II Antibody (OX-6) - Chimeric - BSA Free [NBP3-43539] - Staining of rat (*Rattus norvegicus*) leukocytes with either an isotype control (A) or NBP3-43539(B) at a concentration of 1 ug/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.



Western Blot: MHC Class II Antibody (OX-6) - Chimeric - BSA Free [NBP3-43539] - Rat spleen (A), rat thymus (B) and rat lymph node (C) lysate samples (35ug protein in RIPA buffer) were resolved on a 10% SDS PAGE gel and blots probed with NBP3-43539 at 1 ug/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 CD74 is ~24.5-31.6kDa, depending on the isoform and post-translational modification. NBP3-43539 successfully detected CD74 in rat spleen, thymus and lymph node lysates.





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Products Related to NBP3-43539

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

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