

Product Datasheet

HLA-DR Antibody (TAL 1B5) - BSA Free NB600-989

Unit Size: 0.1 mg

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

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NB600-989

HLA-DR Antibody (TAL 1B5) - BSA Free

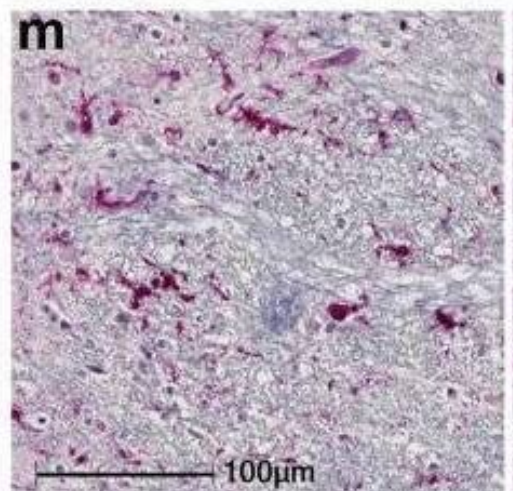
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	TAL 1B5
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS
Target Molecular Weight	33 kDa
Product Description	
Description	Novus Biologicals Mouse HLA-DR Antibody (TAL 1B5) - BSA Free (NB600-989) is a monoclonal antibody validated for use in Multiplex Immunofluorescence, IHC, WB, ELISA, Flow and ICC/IF. Anti-HLA-DR Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	3122
Gene Symbol	HLA-DRA
Species	Human
Specificity/Sensitivity	Specific for Human Leukocyte Antigen DR, alpha subunit. May be used for HLA typing.
Immunogen	Bristol 8 separated alpha chain preparation
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Radioimmunoassay, CyTOF-ready, Multiplex Immunofluorescence
Recommended Dilutions	Western Blot 1:100 - 1:2000, Flow Cytometry 1:10 - 1:1000, ELISA 1:100 - 1:2000, Immunohistochemistry 1:10 - 1:500, Immunocytochemistry/ Immunofluorescence 1:10 - 1:500, Radioimmunoassay 1:100 - 1:2000, CyTOF-ready, Multiplex Immunofluorescence
Application Notes	TAL 1B5 can detect both dimers and the DR alpha chain by western blot. This antibody is CyTOF ready.



Images

Prominent neuroinflammation in brain of SARS-CoV-2 infected NHPs. Representative images identify microglia through Iba-1 immunopositivity in basal ganglia of mock-infected animals RM6 and AGM5 (a, c) that was upregulated in SARS-CoV-2 infected parenchyma, as shown in RM2 and AGM4 (b, d). Mild-moderate accumulation of microglia was often observed around blood vessels (RM1 f, AGM1 h). Nodular lesions were also frequently observed in brain of infected animals, represented here in RM4 and AGM4 (j, l). Microglial accumulation around blood vessels was not seen in age-matched mock-infected controls (RM6 e, AGM5 g), however, nodules (RM5 i, AGM5 k) were seen. These were less frequent and smaller than those observed in infection. Iba-1 immunopositivity also revealed morphological changes in microglia indicative of increased activation in infected animals, as compared to mock-infected controls, including large cell bodies with short, thickened processes (b, d, f, h, j, l). Microglial expression of HLA-DR was upregulated in the context of infection (n, p) seen in RM2 and AGM2, however, expression was also seen in control animals (m, o) represented by RM6 and AGM5. GFAP expression by astrocytes is upregulated and reveals morphological changes in the context of infection (cerebellum from RM4 r, AGM2 t), indicative of astrogliosis. Cerebellum from non-infected controls RM6 and AGM5 (q, s). Each immunohistochemical stain was performed twice on all brain regions. Abbreviations: AGM African green monkey, RM Rhesus macaque. Scale bars = 100 μ m (a–d, m–t) and 50 μ m (e–l). Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/35365631>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.

HLA-DR



Publications

Sandhu P, Buchkovich NJ HCMV decreases MHC class II by regulating CIITA transcript levels in a myeloid cell line J. Virol. 2020-01-08 [PMID: 31915281]



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Products Related to NB600-989

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)

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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