

Product Datasheet

HIV-1 Gag p24 Antibody (ND1) - BSA Free NB500-473

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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Publications: 7

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NB500-473

HIV-1 Gag p24 Antibody (ND1) - BSA Free

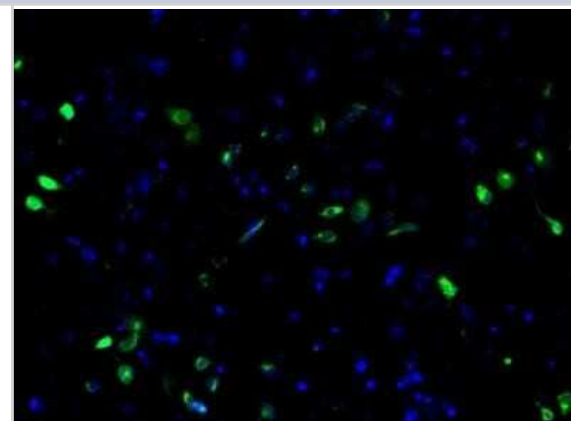
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	ND1
Preservative	15mM Sodium Azide
Isotype	IgG1
Purity	Multi-step
Buffer	Phosphate buffered saline (PBS), pH 7.4

Product Description	
Description	Novus Biologicals Mouse HIV-1 Gag p24 Antibody (ND1) - BSA Free (NB500-473) is a monoclonal antibody validated for use in WB, ELISA and ICC/IF. Anti-HIV-1 Gag p24 Antibody: Cited in 7 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	155030
Gene Symbol	gag
Species	Viral
Specificity/Sensitivity	The antibody reacts with HIV-1 Gag p24). Specificity was verified by Western Blotting in reducing conditions with Sanofi Pasteur NEW LAV-BLOT I kit. Epitope was reported to be located within the amino acids 51-110.
Immunogen	HIV-1 Gag p24 C-terminal peptide.

Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:1000, ELISA 1:2000, Immunocytochemistry/ Immunofluorescence 1:10-1:2000
Application Notes	Purity is > 95% (by SDS-PAGE). Validated for ICC/IF from a verified customer review.

Images

Immunocytochemistry/Immunofluorescence: HIV-1 Gag p24 Antibody (ND1) - BSA Free [NB500-473] - Transfected p24 (green) was detected in Huh-7 cells. Cells were fixed with PFA 4%. Antibody concentration: 1:50. Dilution buffer: 1X PBS, 1% bovine serum albumin (BSA), 0.3% Triton X-100, and 0.01% sodium azide. DAPI was used for counterstaining (blue). Image submitted by a verified customer review.



Publications

Haleyur Giri Setty MK, Kurdekar A, Mahtani P et al. Cross-Subtype Detection of HIV-1 Capsid p24 Antigen Using a Sensitive Europium Nanoparticle Assay AIDS Research and Human Retroviruses 2019-04-01 [PMID: 30411969]

Eleanor R Gray, Jennifer C Brookes, Christophe Caillat, Valérian Turbé, Benjamin L J Webb, Luke A Granger, Benjamin S Miller, Laura E McCoy, Mohamed El Khattabi, C Theo Verrips, Robin A Weiss, Dorothy M Duffy, Winfried Weissenhorn, Rachel A McKendry Unravelling the Molecular Basis of High Affinity Nanobodies against HIV p24: In Vitro Functional, Structural, and in Silico Insights. ACS infectious diseases 2017-11-29 [PMID: 28591513]

Adhikarimayum LS, Dylan S, Daniel N et al. Cocaine sensitizes the CD4+ T cells for HIV infection by co-stimulating NFAT and AP-1 iScience 2022-12-01 [PMID: 36483012]

Turbe V, Gray ER, Lawson VE et al. Towards an ultra-rapid smartphone- connected test for infectious diseases Sci Rep 2017-09-20 [PMID: 28931860] (Virus)

Haleyur Giri Setty MK, Liu J, Mahtani P. Novel Time Resolved Fluorescence Europium Nano Particle Immunoassay for detection of HIV-1 Group O viruses using Micro-plate and Microchip Platforms AIDS Research and Human Retroviruses 2016-01-28 [PMID: 26978478]

Sung CH, Chuang JZ. The cell biology of vision. J Cell Biol 2010-09-20 [PMID: 20855501] (Human)

Tang S, Zhao J, Wang A et al. Characterization of immune responses to capsid protein p24 of human immunodeficiency virus type 1 and implications for detection. Clin Vaccine Immunol 2010-08-01 [PMID: 20534793]





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Products Related to NB500-473

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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