

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

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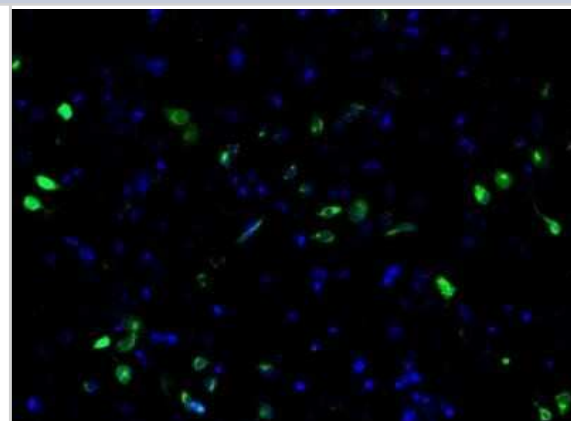
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	ND1
Preservative	15mM Sodium Azide
Isotype	IgG1
Purity	Multi-step
Buffer	Phosphate buffered saline (PBS), pH 7.4

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

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NB500-473AF488	HIV-1 Gag p24 Antibody (ND1) [Alexa Fluor® 488]

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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