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Datasheet for 200-303-BR6

HIV-1 p24 Antibody [7F4] Peroxidase Conjugated

Overview

Description:	Anti-HIV-1 p24 (MOUSE) Monoclonal Antibody Peroxidase Conjugated - 200-303-BR6
Item No.:	200-303-BR6
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Virus
Host Species:	Mouse

Product Details

Background:	The human immunodeficiency virus type 1 (HIV-1) particle consists of an envelope, a core and the region between the two termed matrix (1). The HIV-1 Gag protein is a late structural protein that contains four proteins: matrix (p17), capsid (p24), nucleocapsid (p7) and the p6 protein (2). The p24 constitutes the major core component of the virus and shows high degree of sequence conservation among HIV isolates. The Gag p24 has been used as an integral part of multicomponent HIV-1 vaccines (3).
Synonyms:	HIV-1 p24 Antibody, Gag polyprotein, Pr55Gag, Matrix protein p17, Capsid protein p24, Spacer peptide 1, Nucleocapsid protein p7, Spacer peptide 2, p6-gag, SP1, SP2, MA, CA, p2, NC
Host Species:	Mouse
Conjugate:	Peroxidase (HRP)
Clonality:	Monoclonal
Clone ID:	[7F4]
Format:	IgG1

Target Details

Gene Name:	gag
Reactivity:	Virus
Immunogen Type:	Recombinant Protein

Immunogen:	Anti- HIV-1 p24 antibody was produced in mice by repeated immunizations with a recombinant full-length HIV-1 p24 protein.
Purity/Specificity:	Anti-HIV-1 p24 Monoclonal Antibody was Protein A purified.
Relevant Links:	• UniProtKB - P04591 • GeneID - 155030 • NCBI - AAB50258

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-HIV-1 p24 Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 56 kDa in Western Blots of specific cell lysates and tissues. By Western blot, anti-HIV-1 p24 antibody detects a ~24 kDa, a ~41 kDa, and a ~55 kDa protein, corresponding to HIV-1 p24 and to its precursors p41 and p55, respectively, in HIV-1 samples.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	User Optimized
WB:	User Optimized

Formulation

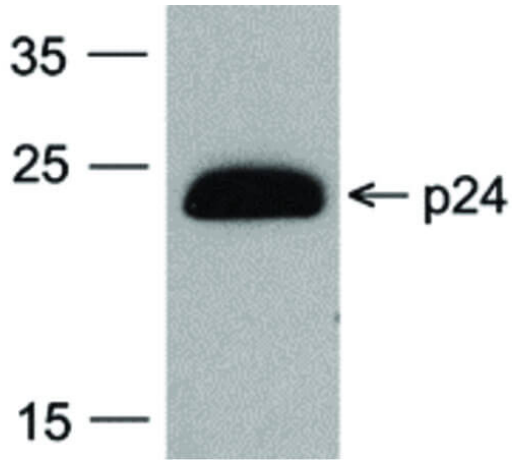
Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/ml by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	Thimerosal is added as an antimicrobial agent.
Stabilizer:	1% BSA

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot
Western Blot of Mouse anti-HIV-1 p24 antibody. Lane A: 20 ng of HIV-1 p24 protein. Primary antibody: HIV-1 p24 HRP conjugated antibody at 0.2 µg/mL overnight at 4℃. Block: 5% BLOTTO. Predicted/Observed size: 24, 41, 55 kDa, 24 kDa for HIV-1 p24.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.