



## ANOGEN - A Division of YES Biotech Laboratories Ltd.

2355 Derry Road East, Unit 23, Mississauga, ON, Canada L5S 1V6 • Tel: (905) 677-9221 • Fax: (905) 677-0023

### Mouse Anti-HIV-1 P24 (Core Protein) Monoclonal Antibody Datasheet

<b>Product Name:</b> mAb anti- HIV-1 p24 (Core Protein)	<b>Clone No.:</b> 587
<b>Catalogue No.:</b> MO-I40002E	<b>Quantity:</b> 0.5 mg/vial

<b>Description:</b>	Mouse monoclonal antibody to human immunodeficiency virus 1 (HIV-1 ) p24 (core protein)	<b>Research Area:</b>	Virology
<b>Purification:</b>	Protein G affinity purified	<b>Background:</b>	P24 is the 24KDa, non-glycosylated protein that forms the Core (Capsid) of human immunodeficiency virus (HIV) and other Lentiviruses in the Retroviridae family. P24 is expressed immediately after HIV infection and is detectable before host HIV antibody can be detected. Hence, HIV p24 is currently the target for early diagnosis of HIV acute infection.
<b>Product Type:</b>	Primary antibody	<b>Applications:</b>	<b>ELISA:</b> The antibody reacts with recombinant HIV-1 p24 in ELISA. <b>Western Blot:</b> The antibody, when used at concentration of 0.1-1.0 µg/mL will allow visualization of 100ng/lane recombinant HIV-1 p24.
<b>Target Protein:</b>	HIV-1 p24	<b>References:</b>	If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.
<b>Immunogen:</b>	Purified recombinant HIV-1 p24 (core protein)		
<b>Fusion Myeloma:</b>	Sp2/0-Ag14		
<b>Specificity:</b>	This mAb reacts with HIV-1 p24 (core protein). No cross activity with HIV-1 GP41 and HIV-2 GP36 was found.		
<b>Species Reactivity:</b>	Human immunodeficiency virus, others not tested		
<b>Host / Isotype:</b>	Mouse, IgG1 Kappa		
<b>Formulation:</b>	Lyophilized in 0.01M PBS, pH 7.2		
<b>Reconstitution:</b>	Double distilled water is recommended to adjust the final concentration to 1.00mg/mL.		
<b>Storage:</b>	Store at -20°C		

This product is for **LABORATORY RESEARCH USE** and further manufacture **ONLY**, and cannot be administrated to human and animals for use in diagnostic and therapeutic procedures.

Manufactured by ANOGEN - A Division of YES Biotech Laboratories Ltd.