

## Product datasheet for **TA160047**

### **gag Mouse Monoclonal Antibody [Clone ID: 7F4]**

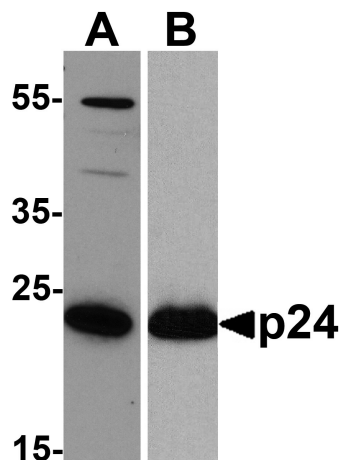
#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	7F4
<b>Applications:</b>	ELISA, WB
<b>Recommended Dilution:</b>	ELISA: 0.2 – 0.5ug/mL, WB: 0.2 – 0.5ug/mL
<b>Reactivity:</b>	Human Immunodeficiency Virus 1
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Mouse monoclonal HIV-1 p24 antibody was raised against a recombinant full-length HIV-1 p24 protein.
<b>Formulation:</b>	PBS containing 0.02% sodium azide.
<b>Concentration:</b>	1 mg/ml
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Database Link:</b>	<a href="#">P04591</a>
<b>Background:</b>	HIV-1 p24 Monoclonal Antibody: 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).

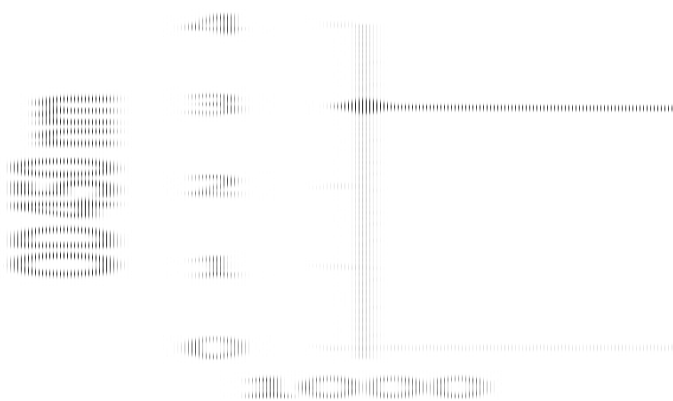


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Product images:



Western blot analysis of 20 ng of (A) viral p24 and (B) recombinant p24 with anti-HIV-1 p24 antibody at (A) 0.5 ug/mL and (B) 0.2 ug/mL, respectively.



Titration ELISA of anti-HIV-1 p24 antibody with 100 ng of recombinant HIV-1 p24 protein.