

## Product datasheet for **BM3244**

### HIV-1 Gag Capsid protein p24 Mouse Monoclonal Antibody [Clone ID: 491]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	491
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	<b>ELISA</b> (1/20-1/200). This antibody can be used In a <b>Sandwich Immunoassay</b> as Capture antibody in combination with AM31518PU-N as a Detection antibody. <b>Immunofluorescence</b> (1/10-1/50). <b>Western blot</b> (1/10-1/50). <b>Immunohistochemistry on Frozen Sections</b> (1/10-1/50).
Reactivity:	Human Immunodeficiency Virus 1
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified native p24. Source: Ascites.
Specificity:	Specific for HIV-1 p24. Does not cross-react with other HIV polypeptides.
Formulation:	0.01M PBS, pH 7.2 State: Purified State: Liquid purified IgG fraction (>90 % pure). Stabilizer: None Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Protein A Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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**Background:**

HIV is a highly variable virus which mutates very readily. This means there are many different strains of HIV, even within the body of a single infected person. The strains of HIV1 can be classified into three groups : the "major" group M, the "outlier" group O and the "new" group N. These three groups may represent three separate introductions of simian immunodeficiency virus into humans. Group O appears to be restricted to West-Central Africa and group N, discovered in 1998 in Cameroon, is extremely rare. More than 90% of HIV1 infections belong to HIV1 group M.

**Synonyms:**

HIV1, HIV-I, Human immunodeficiency virus type 1