

## Product datasheet for **BM1169**

### HIV-1 Gag Capsid protein p24 Mouse Monoclonal Antibody [Clone ID: 28E0]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	28E0
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/20-1/200. <b>Western Blot:</b> 1/10-1/50. <b>Immunofluorescence:</b> 1/10-1/50. <b>Immunohistochemistry on Frozen Sections:</b> 1/10-1/50. The epitope recognised by this antibody is reported to be sensitive to Formaldehyde fixation and tissue processing. The use of Acetone fixation for frozen sections is recommended.
Reactivity:	Human Immunodeficiency Virus 1
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	HIV p24
Specificity:	This antibody is specific for the HIV1 p24 this forms the conical core of the virus that encapsulates the genomic RNA-nucleocapsid complex.
Formulation:	PBS, pH 7.2 State: Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) 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