

Product datasheet for **BM3244F**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	491
Applications:	IF
Recommended Dilution:	Suitable for use in IFA, Immunohistochemistry, ELISA and Western blot . Direct FA staining of target antigen in a permissive tissue culture system. Acetone fixation of the antigen source is recommended prior to staining. Not suitable for use with Paraffin Embedded Tissues.
Reactivity:	Human Immunodeficiency Virus 1
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified native HIV1 p24.
Specificity:	This antibody is specific for HIV1 p24. Does not cross-react with other HIV polypeptides.
Formulation:	0.01 M PBS, pH 7.2 containing 10 mg/ml BSA as stabilizer and 0.09% sodium azide as preservative. Label: FITC State: Liquid purified Ig fraction. Label: Highly purified Isomer I of fluorescein isothiocyanate. Care is taken to ensure complete removal of any free fluorescein from the final product
Concentration:	lot specific
Purification:	Protein A Chromatography.
Conjugation:	FITC
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Background:

HIV1 performs highly complex orchestrated tasks during the assembly, budding, maturation and infection stages of the viral replication cycle. During viral assembly, the proteins form membrane associations and self-associations that ultimately result in budding of an immature virion from the infected cell. Gag precursors also function during viral assembly to selectively bind and package two plus strands of genomic RNA.

Capsid protein p24 probably forms the conical core of the virus that encapsulates the genomic RNA-nucleocapsid complex.

Synonyms:

HIV1, HIV-I, Human immunodeficiency virus type 1