

## Monoclonal Antibody to HIV-1 Gag Capsid protein p24 - FITC

<b>Alternate names:</b>	HIV-I, HIV1, Human immunodeficiency virus type 1
<b>Catalog No.:</b>	BM3244F
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	100 µg/ml (OD280 nm, E0.1% = 1.4)
<b>Background:</b>	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.
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	491
<b>Immunogen:</b>	Purified native HIV1 p24.
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction. <b>Purification:</b> Protein A Chromatography. <b>Buffer System:</b> 0.01 M PBS, pH 7.2 containing 10 mg/ml BSA as stabilizer and 0.09% sodium azide as preservative. <b>Label:</b> FITC – Highly purified Isomer I of fluorescein isothiocyanate. Care is taken to ensure complete removal of any free fluorescein from the final product
<b>Applications:</b>	Suitable for use in <b>IFA, Immunohistochemistry, ELISA</b> and <b>Western blot</b> . 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. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody is specific for HIV1 p24. Does not cross-react with other HIV polypeptides.
<b>Species Reactivity:</b>	<b>Tested:</b> Human.
<b>Storage:</b>	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. Shelf life: one year from despatch.

**For research and in vitro use only. Not for diagnostic or therapeutic work.**

Material Safety Datasheets are available at [www.acris-antibodies.com](http://www.acris-antibodies.com) or on request.

Antibody Hotline - Technical Questions - Antibody Location Service  
Free Call: 0800-2274746 (Germany only) - [www.acris-antibodies.com](http://www.acris-antibodies.com)