**Anti-HIV1 p24 antibody [38/8.7.47] ab9044**

**Overview**

**Product name**
Anti-HIV1 p24 antibody [38/8.7.47]

**Description**
Mouse monoclonal [38/8.7.47] to HIV1 p24

**Host species**
Mouse

**Specificity**
This murine monoclonal antibody reacts with Human Immunodeficiency Virus Type 1 (HIV 1) p24 protein.

**Tested applications**
Suitable for: Radioimmunoprecipitation, WB, ELISA, ICC/IF

**Species reactivity**
Reacts with: Species independent

**General notes**
The antibody is used to detect HIV-1 core protein in virus infected cells as well as in viral or infected cell lysates. Studies on core antigen synthesis and metabolism can be performed using Western blotting or radioimmunoprecipitation analysis. Antibody dilutions should be prepared using buffers containing suitable protein in order to stabilize antibody activity.

**Properties**

**Form**
Liquid

**Storage instructions**
Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

**Storage buffer**
Constituent: PBS

**Purity**
Protein G purified

**Purification notes**
Purified from serum-free culture supernatant.

**Primary antibody notes**
The antibody is used to detect HIV-1 core protein in virus infected cells as well as in viral or infected cell lysates. Studies on core antigen synthesis and metabolism can be performed using Western blotting or radioimmunoprecipitation analysis.

**Clonality**
Monoclonal

**Clone number**
38/8.7.47

**Isotype**
IgG1

**Applications**

Our Abpromise guarantee covers the use of ab9044 in the following tested applications.
Relevance

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.

Cellular localization

Membrane

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Application | Abreviews | Notes |
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Radioimmunoprecipitation |  | Use at an assay dependent dilution. |
WB |  | Use a concentration of 1 - 10 µg/ml. |
ELISA |  | Use at an assay dependent dilution. |
ICC/IF |  | Use a concentration of 1 - 10 µg/ml. |

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