Anti-HIV1 gp41 antibody [10E9] ab9065

1 References

Overview

Product name Anti-HIV1 gp41 antibody [10E9]
Description Mouse monoclonal [10E9] to HIV1 gp41
Host species Mouse
Specificity Reacts with Human Immunodeficiency Virus Type 1(HIV 1) gp41 envelope transmembrane protein. Also exhibits strong reactivity with HIV 1 env gene precursor gp160 using Western blotting.
Tested applications Suitable for: WB, Radioimmunoprecipitation, ELISA, ICC/IF
Species reactivity Reacts with: Other species
Immunogen Whole HIV viral lysate (B-3 strain). The epitope has not been mapped.

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 A purified
Purification notes Purified from serum-free culture supernatant.
Clonality Monoclonal
Clone number 10E9
Isotype IgG1

Applications

Our Abpromise guarantee covers the use of ab9065 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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**Application notes**

ELISA: Use at an assay dependent dilution.
ICC/IF: Use at a concentration of 1 - 10 mg/ml.
RipA: Use at an assay dependent dilution.
WB: Use at a concentration of 1 - 10 µg/ml.

Antibody dilutions should be prepared using buffers containing suitable protein in order to stabilize antibody activity.

Not yet tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

**Target**

**Relevance**

gp41/120 is the major HIV protein associated with the HIV envelope. It functions as the viral antireceptor or attachment protein. gp41 (or TM) traverses the envelope, whereas gp120 is present on the outer surface and is noncovalently attached to gp41. The precursor of gp120/41 (gp160) is synthesized in the endoplasmic reticulum and is transported via the golgi body to the cell surface. Upon activation of the envelope glycoprotein (gp120/41) by cellular receptors, gp41 undergoes conformational changes that mediate fusion of the viral and cellular membranes.

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