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Mouse Anti HIV-I Integrase (clone 2)

ANT0071
50µg

Description

Integration of viral DNA into a chromosome of the host cell is an essential step in the retroviral life cycle. This process is catalyzed by the viral enzyme integrase (IN) through 3 steps: first step, two nucleotides are removed from the 39 ends of the viral DNA (39-end processing); second step, the recessed 39 ends of the viral DNA are then joined to 59 staggered sites in the target DNA in a concerted cleavage and ligation reaction (DNA joining); last step, integration is completed by repair of the short gaps flanking the viral DNA intermediate and subsequent joining of the 59 ends of viral DNA to the target DNA.

Product type

Monoclonal antibody. (Hybridoma provided from King's College London Business Ltd. Dr Michael Jorgensen)

Immunogen

Bacterially expressed, hexahistidine amino-terminal tagged HIV-1 integrase protein (clade B, HXB-3 isolate)

Source

Mouse monoclonal $IgG_{1, \kappa}$

Reacts with

HIV-1 integrase protein

Specificity

No cross-reactivity with non-HIV-1 integrase proteins has been observed.
Epitope map not available.

Tested applications

ELISA, Western Blotting, Immunofluorescence

Recommended dilutions

Recommended starting dilutions can vary lot-to-lot.
Consult the product information label in the package for lot specific values.

Note: When using any primary antibody or fluorescence-labelled secondary antibody for the first time, titrate out the antibody to determine which dilution allows the strongest specific signal with the lowest background for your sample.

For untested applications or species please refer to the S.M.A.K. program.

Purity

Antibodies are purified from supernatants of hybridoma cell cultures by affinity chromatography.

Form

Liquid. Supplied in 100mM sodium citrate, 50mM Tris and 0.05% v/v glycerol. Neutral pH.

Storage

Shipped at +4°C. When stored at +4°C, the antibody is stable for 12 months. For extended storage, the solution may be frozen at –20°C in working aliquots.
Note: Avoid repeated freezing and thawing cycles.

References

Available on library section: **http://www.diatheva.com/library.htm**