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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 3' ends of the viral DNA (3'-end processing); second step, the recessed 3' ends of the viral DNA are then joined to 5' 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 5' 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<sub>1</sub>, κ

**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>