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**Rabbit Anti HIV-I Tat**

**ANT0001**  
**200µl**

**Description**

The HIV-1 regulatory protein tat is considered an attractive target for the development of a multicomponent vaccine against HIV-1 infection. The protein is well conserved among different isolates and thus may be less susceptible to mutation leading to the production of escape virus variants. Tat is produced early after infection and it's essential for virus replication and infectivity. Tat protein is also immunogenic and antibodies (Ab) against tat have been correlated with delayed disease progression and may exert protective effects inhibiting HIV-1 replication. Moreover, tat is efficiently taken up by monocyte-derived dendritic cells, promoting their maturation. Finally, murine vaccination with a biologically active tat protein has been shown to be safe and immunogenic.

**Product type**

Polyclonal antibody

**Immunogen**

Recombinant purified tat protein (HIV-1 Clade B) expressed in *E. coli*

**Source**

Rabbit

**Reacts with**

Tat protein clade A and B, GST-Tat fusion protein

**Specificity**

Tat protein and various tat peptides

**Tested applications**

WB, ELISA, IF

**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**

Polyclonal immunoglobulins purified by protein A 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 18 months. For extended storage, the solution may be frozen at –20°C in working aliquots.

**Note:** Avoid repeated freezing and thawing cycles.

**Reference**

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