AM26085PU-N  
Monoclonal Antibody to HIV-1 Tat (47-58) - Aff - Purified

Alternate names: HIV-1, HIV1, Human immunodeficiency virus type 1
Quantity: 0.1 mg
Concentration: 1.0 mg/ml

Background: HIV is a highly variable virus which mutates very readily. This means there are many different strains of HIV, even within the body of a single infected person. The strains of HIV1 can be classified into three groups: the "major" group M, the "outlier" group O and the "new" group N. These three groups may represent three separate introductions of simian immunodeficiency virus into humans. Group O appears to be restricted to West-Central Africa and group N, discovered in 1998 in Cameroon, is extremely rare. More than 90% of HIV1 infections belong to HIV1 group M.

Host / Isotype: Mouse / IgM
Clone: N3 (02-010)
Immunogen: Recombinant Tat protein of HIV-1 HXB2 purified from E.coli
Format: State: Liquid purified Ig fraction
Purification: Affinity Chromatography on Protein G
Buffer System: PBS, pH 7.4
Preservatives: 0.09% Sodium Azide

Applications: Reacts in ELISA and Western blot with HIV-1 Tat of the strains HXB2, BH10, IIIB and HAN. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody detects HIV-1 Tat protein, mapped to amino acids 47-58 (-YGRKKRRQRRRA – B subtype a.a. consensus, Tat basic domain).

Storage: Store undiluted at 2-8°C for one month or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Western Blot testing of HIV-1 recombinant Tat protein using HIV-1 Tat antibody, clone N3 Cat.-No AM26085PU-N. Line 1: Recombinant HIV-1 Tat (B subtype) Line 2: Protein size marker