



HIV-1 gp24 (HIV1gp24): sc-57811

BACKGROUND

Human immunodeficiency virus (HIV) is a retrovirus that causes acquired immunodeficiency syndrome (AIDS), a condition in which the immune system of the host fails, leading to life-threatening opportunistic infections. HIV performs highly complex orchestrated tasks during the assembly, budding, maturation and infection stages of the viral replication cycle. During viral assembly, specific proteins form membrane associations and self-associations that ultimately result in the budding of an immature virion from the infected cell. GAG precursors also function during viral assembly to selectively bind and package two plus strands of genomic RNA. gp24, an internal HIV antigen, is used in many applications to study the virus since it produces good staining. It is also useful in HIV diagnosis, since the most common HIV test detects the presence of antibodies against gp24.

REFERENCES

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SOURCE

HIV-1 gp24 (HIV-1gp24) is a mouse monoclonal antibody raised against HIV-1 gp24.

PRODUCT

Each vial contains 100 µg IgG₁ in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

HIV-1 gp24 (HIV1gp24) is recommended for detection of HIV-1 gp24 of HIV origin by solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Molecular Weight of HIV-1 gp24: 20 kDa.

SELECT PRODUCT CITATIONS

- Bisoffi, M., Severns, V., Branch, D.W., Edwards T.L. and Larson, R.S. 2013. Rapid detection of human immunodeficiency virus types 1 and 2 by use of an improved piezoelectric biosensor. *J. Clin. Microbiol.* 51: 1685-1691.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.