



HIV-2 gp39 (NYRHIV2gp39): sc-73301

BACKGROUND

Human immunodeficiency virus type 2 (HIV-2), originally isolated from patients in West Africa, is the dominant form of HIV in West Africa capable of causing acquired immunodeficiency syndrome (AIDS). HIV-1 and HIV-2 share similarity in their genomes, transmission, clinical features, immunological effects and in their action of binding to the same CD4 cellular receptor, but there are significant differences in the amino acid and nucleotide sequences of HIV-1 and HIV-2, especially with regard to their envelope glycoproteins. Additionally, HIV-2 may have a longer incubation period and may be less pathogenic than HIV-1. HIV-2 gp39 is an envelope glycoprotein that is specific to HIV-2 and may assist in viral infection of the host cell.

REFERENCES

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SOURCE

HIV-2 gp39 (NYRHIV2gp39) is a mouse monoclonal antibody raised against recombinant HIV-2 gp39.

PRODUCT

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

APPLICATIONS

HIV-2 gp39 (NYRHIV2gp39) is recommended for detection of HIV-2 gp39 envelope glycoprotein of HIV-2 origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

SELECT PRODUCT CITATIONS

1. 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.