



HIV type 2 Active Glycoprotein 39 (DAG-P2814)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Active HIV2 gp39 protein fragment
Antigen Description	HIV1 and HIV2 have similar gag (viral core) and pol (polymerase) regions, they have relatively dissimilar env (envelope) regions. Owing to this lack of homology in the envelope region, there is little serologic cross-reactivity of the antibodies directed against the envelope antigens of both HIV1 and HIV2. gp39 forms part of the env protein. The mature envelope protein (Env) consists of a homotrimer of noncovalently associated gp120-gp41 heterodimers. The resulting complex protrudes from the virus surface as a spike. Retroviral Env protein is not absolutely required for the assembly and release of viral particles, but it does play an active role in these events. It is currently thought that HIV viral entry involves the binding of the viral Env glycoprotein gp120/gp41 to the cell surface receptor CD4, which triggers conformational changes in the envelope proteins. Some of the most genetically diverse regions of the viral genome are present in Env.
Species	HIV
Purity	> 95 % by SDS-PAGE. Purity is greater than 95.0% as determined by HPLC analysis and SDS-PAGE.
Conjugate	Unconjugated
Applications	WB ELISA
Bio-activity	Active HIV2 gp39 protein fragment is immunoreactive with all sera of HIV-2 infected individuals
Format	Liquid
Buffer	Preservative: None Constituents: 6M Urea, 50mM Tris HCl, pH 7.2
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw

cycles. Preservative: None Constituents: 6M Urea, 50mM Tris HCl, pH 7.2 This product is an active protein and may elicit a biological response in vivo, handle

BACKGROUND

Introduction

The human immunodeficiency virus (HIV) is a lentivirus (slowly replicating retrovirus) that causes the acquired immunodeficiency syndrome (AIDS), a condition in humans in which progressive failure of the immune system allows life-threatening opportunistic

Keywords

Human Immunodeficiency virus 2; Human immunodeficiency virus 2 gp39; HIV2 gp39
