



HIV type 1 Nef (DAG-P2667)

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

PRODUCT INFORMATION

Product Overview	HIV1 Nef protein fragment
Antigen Description	Nef is a early protein that appears to play a role in optimizing the host cell environment for viral replication without causing cell death by apoptosis. Nef enhances virus infectivity and pathogenicity. It down modulates surface MHC I molecules and internalized molecules are sequestered to the trans-Golgi network. The number of cell surface CD4 antigen are decreased by interacting with the Src family kinase LCK thereby inducing LCK CD4 dissociation and by increasing clathrin-dependent endocytosis of this antigen to target it to lysosomal degradation.
Species	HIV
Purity	> 95 % by SDS-PAGE.
Conjugate	Unconjugated
Applications	ELISA WB
Bio-activity	Reacts strongly with human HIV positive serum.
Format	Liquid
Buffer	Preservative: None Constituents: 0.014M Beta mercaptoethanol, 0.01M Sodium carbonate, 0.01M EDTA
Preservative	None
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze / thaw cycles. Preservative: None Constituents: 0.014M Beta mercaptoethanol, 0.01M Sodium carbonate, 0.01M EDTA

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

C terminal core protein; F protein; Nef; Negative factor; p27; HIV1 Nef