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HIV-1 gp41/120

HIV-1 gp41-gp120 Mosaic Recombinant
VAG0318

Product Overview

Name	HIV-1 gp41/120

Description

HIV-1 gp41-gp120 Mosaic Recombinant

Introduction

Human immunodeficiency virus (HIV) is a retrovirus that can lead to a condition in which the immune system begins to fail, leading to opportunistic infections. HIV primarily infects vital cells in the human immune system such as helper T cells (specifically CD4+ T cells), macrophages and dendritic cells. HIV infection leads to low levels of CD4+ T cells through three main mechanisms: firstly, direct viral killing of infected cells; secondly, increased rates of apoptosis in infected cells; and thirdly, killing of infected CD4+ T cells by CD8 cytotoxic lymphocytes that recognize infected cells. When CD4+ T cell numbers decline below a critical level, cell-mediated immunity is lost, and the body becomes progressively more susceptible to opportunistic infections. HIV was classified as a member of the genus Lentivirus, part of the family of Retroviridae. Lentiviruses have many common morphologies and biological properties. Many species are infected by lentiviruses, which are charact

Source

Escherichia Coli.

Physical Appearance

Sterile filtered colorless clear solution.

Formulation

150mM NaCl, 25mM sodium phosphate pH-8, 50% glycerol and 150mM imidazole.

Stability

HIV-1 gp41/120 although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Specificity

Immunoreactive with all sera of HIV-I infected individuals.

Precautions

HIV-1 gp41/120 is for research use only and not for use in diagnostic or therapeutic procedures.

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