Dipeptidyl Peptidase IV (DPIV) Human (Human placenta)

Product Data Sheet

Type: Native
Species: Human
Other names: DPIV, T-cell activation antigen CD26, TP103, Adenosine deaminase complexing protein 2, ADCP-2, ADABP, DPP4

Cat. No.:

RD172141010mU	(10 mU)

Description

Native protein purified from human placenta.

Introduction to the Molecule

CD26 (110 kDa) is a cell surface glycoprotein with known dipeptidyl peptidase IV activity in its extracellular domain which is present on various cell types, including T cells and epithelial cells of the liver, kidney, and intestine. CD26 has been identified as a key marker for monocytotropic HIV-1 infection, with a mechanism of early loss of CD26- expressing cells in HIV-1 infected individuals. CD26 is an indicator of T-cell activation and CD26 level has been shown to fluctuate in parallel with several autoimmune diseases such as rheumatoid arthritis and autoimmune thyroiditis.

Research topic

Cell surface proteins (sCD), Diabetology - Other Relevant Products

Purity

>95%

Biological Activity

One unit is defined as the amount of enzyme which will hydrolyze 1µM of H-Gly-Pro-pNA per 1min at 25°C, pH 7.8. Specific activity: 13 U / 1mg

Formulation

Frozen in 2 mM Tris-HCl, pH 8.0

Reconstitution

Defrost at ambient temperature

Shipping

On ice. Upon receipt, store the product at the temperature recommended below.

Storage, Stability/Shelf Life

Store freezed protein at min. -70°C. The protein remains stable until the expiry date when stored at -70°C.

Applications

Biologically active protein

Note

The protein was prepared from tissue shown to be non-reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 and 2 by FDA required tests. This product is intended for research use only.

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