



EIA for Quantitative Determination of anti-CXCR-4-Antibodies

Introduction

CXCR-4 is an alpha-chemokine receptor specific for stromal-derived-factor-1 (CXCL12), a molecule endowed with potent chemotactic activity for lymphocytes. This receptor is one of several chemokine receptors that HIV isolates can use to infect CD4+ T cells.

The occurrence of autoantibodies against CXCR-4 receptor is associated with an increased risk of immunologic disorders.

The CellTrend anti-CXCR-4-antibody-EIA is designed for the determination of Antibodies (IgG) against the CXCR-4 in serum and plasma.

Principle of the test

The CellTrend anti-CXCR-4-antibody-EIA is an antibody screening test. The CXCR-4-receptor has been pre-coated onto a microtiter plate. During the first incubation the anti-CXCR-4-antibodies of the samples are immobilised on the plate. The auto-antibodies are detected with a POD labeled anti-human IgG antibody. In the following enzymatic substrate reaction the intensity of the colour correlates with the concentration and/ or avidity of anti-CXCR-4-antibodies.

Performance Characteristics

Standard curve:

6 standards between 1.25 U/ml and 40 U/ml

cut off:

12 U/ml positive, 6 U/ml at risk

<6 U/ml (Normalspender)

Sample materials:

Serum, Plasma

Intraassay-Precision:

(n=10)

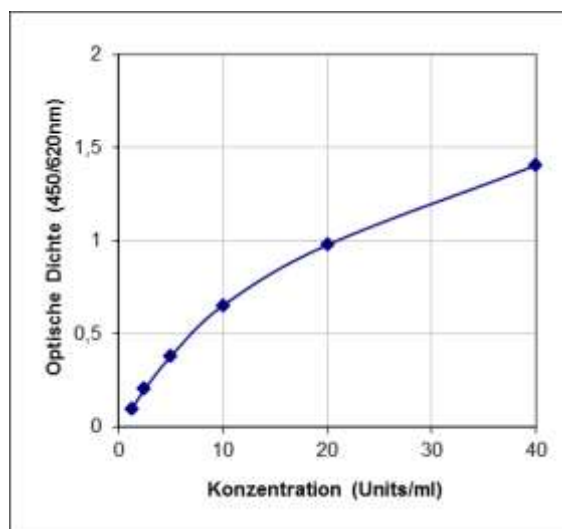
Sample 1 (12.8 U/ml): 4.1%

Interassay-Precision:

(n=20)

Sample 1 (11.3 U/ml): 6.4%

Typical Standard Curve



Assay Procedure

Incubation of samples/ standards/ controls	100 µl	120 min, 4°C
Wash		
Incubation of detection antibody	100 µl	1 hr, room temperature
Wash		
Substrate incubation	100 µl/well	0.5 hr, room temperature
Add Stopp solution	100 µl/well	
Read at 450nm		

Bestellinformationen

Produkt	Bestell-Nummer	Preis (€)
EIA zur quantitativen Bestimmung von anti-CXCR-4-Ak, 1x96 Best.	13000	950.-