



EIA for Quantitative Determination of anti-Endothelin Receptor A (ETA)-IgG-Antibodies (Rat)

Introduction

Endothelins (ET) are 21-amino acid vasoconstricting peptides produced primarily in the endothelium having a key role in vascular homeostasis. It mediates the effects through G-Protein-coupled receptors, the Endothelin receptors. There are two key receptor types, ET_A and ET_B. ETA receptors are found in the smooth muscle tissue of blood vessels where they increase vasoconstriction by ET-1.

The CellTrend anti-Endothelin Receptor A IgG-Antibody-EIA (Rat) is designed for the determination of antibodies (IgG) against the Endothelin receptor subtype A in serum and plasma.

Principle of the assay

The CellTrend anti-Endothelin Receptor A-IgG-Antibody-EIA (Rat) is an antibody screening test. Endothelin- receptor A has been pre-coated onto a microtiter plate. During the first incubation the anti-Endothelin receptor A-Antibodies of the samples are immobilised on the plate. The autoantibodies are detected with a POD labeled anti-rat IgG antibody. In the following enzymatic substrate reaction the intensity of the colour correlates with the concentration and/ or avidity of anti-Endothelin receptor A-IgG-antibody (rat).

Performance Characteristics

Standard curve:

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

Cut off:

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Sample materials:

Serum, Plasma

Intraassay-Precision:

(n=8)

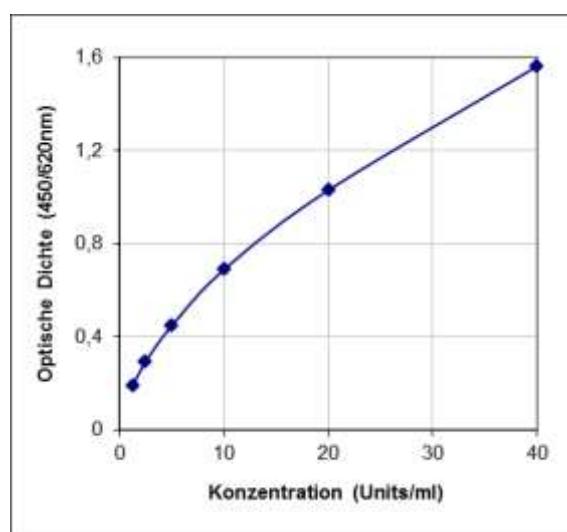
Probe 1 (19.7 U/ml): 3.0%

Interassay-Precision:

(n=8)

21.4 U/ml: 5.4%

Typical Standard Curve



Assay Procedure

Incubation of samples/ standards/ controls	100 µl	2 hrs, 4°C
Wash		
Incubation of detection antibody	100 µl	1 hr, room temperature
Wash		
Substrate incubation	100 µl/well	20 min, room temperature
Add Stop solution	100 µl/well	
Read at 450nm		

Order informations

Product	Catalog number	Price (€)
EIA for Quantitative Determination of anti-ETR-A-IgG-Ab (Rat), 1x96	52800	950.-

Related products

Product	Catalog number	Price (€)
EIA for Quantitat. Determination of anti-AT1-IgG-Ab (Rat), 1x96	52700	950.-

