ELISA for Quantitative Determination of Rabbit IgM

Introduction

The CellTrend IgM(rabbit)-ELISA is designed for the quantitative determination of rabbit IgM in complex samples (serum or other biological samples).

Principle of the Assay

The determination of rabbit IgM is carried out as direct sandwich ELISA. An antibody specific for rabbit IgM has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any IgM present is bound. After washing away any unbound substances, an enzyme-linked antibody is added. Following a wash, a substrate solution is added to the wells and color develops in proportion to the amount of antibody conjugate. The absorption at 450 nm is proportional to the IgM concentration.

Performance Characteristics

Standard curve:
7 standards between 15.625 ng/ml and 1000 ng/ml
Sensitivity:
782 ng/ml (sample dilution 1:50)
Sample materials:
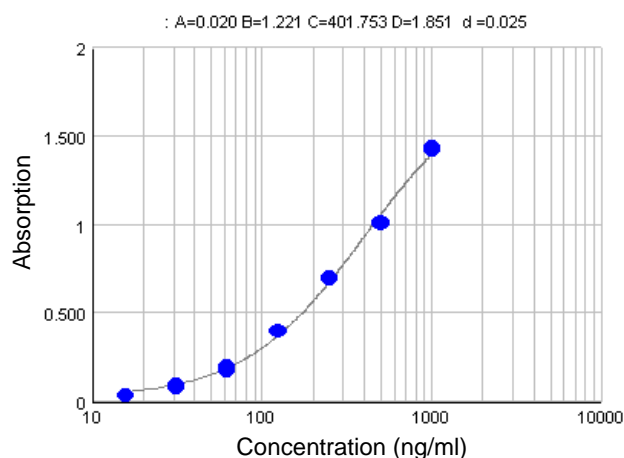Protein solutions, serum, body fluids

Intraassay precision (CV):
(n=10)
at   42.0 ng/ml: 3.1%
at 176.9 ng/ml: 2.3%
at 382.1 ng/ml: 5.5%

For Research use only

Typical Standard Curve

: A=0.020 B=1.221 C=401.753 D=1.851 d =0.025

Assay Procedure

Incubation of samples/standards	100 µl/well	1 hr with shaking or 2 hrs without shaking
Wash		
Incubation of detection antibody	100 µl/well	1 hr with shaking or 2 hrs without shaking
Wash		
Substrate incubation	100 µl/well	10 min, room temperature
Add stop solution	100 µl/well	
Read at 450 nm		

Order informations

Product	Catalog number	Price (€)
ELISA for Quantitative Determination of IgM (rabbit), 1x96 determ.	56200	490.-
Contract analysis: Determination of IgM (rabbit)		please inquire

Related products

Product	Catalog number	Price (€)
ELISA for Quantitative Determination of IgG (rabbit), 1x96 determ.	56100	490.-
Contract analysis		please inquire