



## ELISA for Quantitative Determination of Rat IgM

### Introduction

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

### Principle of the Assay

The determination of rat IgM is carried out as direct sandwich ELISA. An antibody specific for rat 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 31.25 ng/ml and 2000 ng/ml

#### Sensitivity:

312.5 ng/ml (sample dilution 1:10)

#### Sample materials:

Protein solutions

#### Intraassay precision (CV):

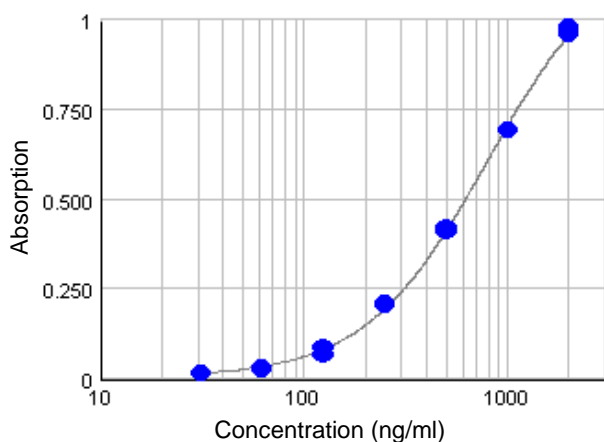
(n=10)

at 70 ng/ml: 7.6%

at 250 ng/ml: 6.8%

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### Typical Standard Curve



### 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	20 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 (rat), 1x96 determinat.	52500	490.-
Contract analysis: Determination of IgM (rat)		please inquire

### Related products

Product	Catalog number	Price (€)
ELISA for Quantitative Determination of IgG (rat), 1x96 determinat.	52300	490.-
ELISA for Quantitative Determination of IgA (rat), 1x96 determinat.	52400	490.-
ELISA for Quantitative Determination of IgE (rat), 1x96 determinat.	52600	490.-
Contract analysis		please inquire