



## ELISA for Quantitative Determination of Chicken IgM

### Introduction

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

### Principle of the Assay

The determination of chicken IgM is carried out as direct sandwich ELISA. An antibody specific for chicken 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 3.9 ng/ml and 250 ng/ml

#### Sensitivity:

98 ng/ml (sample dilution 1:25)

#### Sample materials:

Protein solutions, serum, body fluids

#### Intraassay precision (CV):

(n=10)

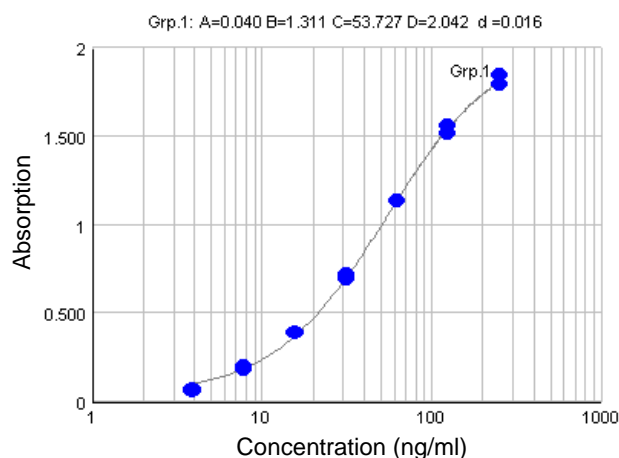
at 7.4 ng/ml: 3.1%

at 43.8 ng/ml: 6.1%

at 147.3 ng/ml: 11.3%

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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	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 (chicken), 1x96 determ.	54200	490.-
Contract analysis: Determination of IgM (chicken)		please inquire

### Related products

Product	Catalog number	Price (€)
ELISA for Quantitative Determination of IgG (chicken), 1x96 determ.	54100	490.-
Contract analysis		please inquire