



## ELISA for Quantitative Determination of Pig IgG

### Introduction

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

### Principle of the Assay

The determination of pig IgG is carried out as direct sandwich ELISA. An antibody specific for pig IgG has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any IgG 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 IgG concentration.

### Performance Characteristics

#### Standard curve:

7 standards between 15.6 ng/ml and 1000 ng/ml

#### Sensitivity:

156 ng/ml (sample dilution 1:10)

#### Sample materials:

Protein solutions

#### Intraassay precision (CV):

(n=10)

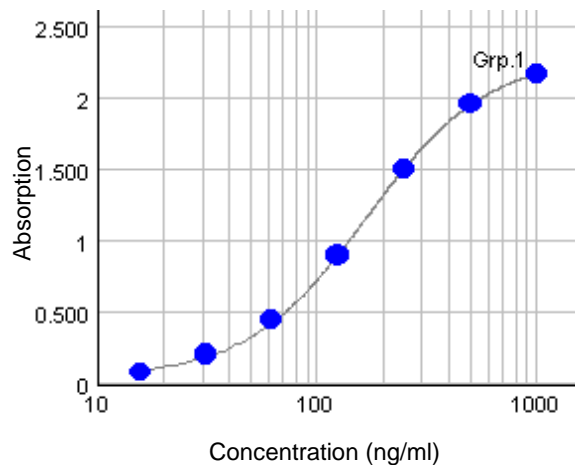
at 57 ng/ml: 3.0%

at 246 ng/ml: 2.4%

at 472 ng/ml: 5.1%

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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 IgG (pig), 1x96 determinat.	53100	490.-
Contract analysis: Determination of IgG (pig)		please inquire

### Related products

Product	Catalog number	Price (€)
ELISA for Quantitative Determination of IgA (pig), 1x96 determinat.	53200	490.-
ELISA for Quantitative Determination of IgM (pig), 1x96 determinat.	53300	490.-
Contract analysis		please inquire