

# Product Datasheet

## Rat IgG ELISA Kit (Colorimetric)

### KA1952

Unit Size: 1 Kit

Store at 4C.

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**KA1952****Rat IgG ELISA Kit (Colorimetric)**

<b>Product Information</b>	
<b>Unit Size</b>	1 Kit
<b>Concentration</b>	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
<b>Storage</b>	Store at 4C.
<b>Product Description</b>	
<b>Description</b>	IgG (Rat) ELISA Kit is a highly sensitive two-site enzyme-linked immunoassay for the quantitative determination of IgG in rat biological samples.
<b>Gene ID</b>	3500
<b>Gene Symbol</b>	IGHG1
<b>Species</b>	Rat
<b>Kit Components</b>	Diluent Concentrate (Running buffer): One bottle containing 5X concentrated diluent running buffer, Wash Solution Concentrate: One bottle containing 20X concentrated wash solution., Enzyme-Antibody Conjugate 100X: One vial containing affinity purified anti- Rat IgG antibody conjugated with horseradish peroxidase in a stabilizing buffer., Chromogen-Substrate Solution: One vial containing 3,3',5,5'-tetramethylbenzidine (TMB) and hydrogen peroxide in citric acid buffer at pH 3.3., Stop Solution: One vial containing 0.3 M sulfuric acid. WARNING: Avoid contact with skin., Anti-Rat IgG ELISA Micro Plate: Twelve removable eight (8) well strips in well holder frame. Each well is coated with affinity purified anti-Rat IgG., Rat IgG Calibrator: One vial containing a lyophilized Rat IgG calibrator.
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Standard Curve Range</b>	25 to 800 ng/mL
<b>Sensitivity</b>	2.894
<b>Assay Type</b>	Two-site enzyme-linked immunoassay
<b>Suitable Sample Type</b>	Biological Samples, Plasma, Serum
<b>Sample Volume</b>	100 $\mu$ L
<b>Product Application Details</b>	
<b>Applications</b>	ELISA, Quantification
<b>Recommended Dilutions</b>	ELISA, Quantification

**Publications**

Iria T, Marta V, Tatjana S et al. Prediction of subcutaneous drug absorption - Characterization of subcutaneous interstitial fluids as a basis for developing biorelevant in vitro models. *Int J Pharm.* 2023-03-29 [PMID: 37001831]

Audrey K, Leng K, Ji T et al. Clinacanthus nutans aqueous leaves extract exerts anti-allergic activity in preclinical anaphylactic models via alternative IgG pathway. *J Ethnopharmacol.* 2022-12-02 [PMID: 36464074]

Sulaiman I, Tan K, Mohtarrudin N et al. Andrographolide prevented toluene diisocyanate-induced occupational asthma and aberrant airway E-cadherin distribution via p38 MAPK-dependent Nrf2 induction. *Pulm Pharmacol Ther* 2018-09-21 [PMID: 30244166]





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### **Products Related to KA1952**

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NBP1-99013-50ug	Recombinant Mouse IgG Protein
NB200-540	Complement C3 Antibody (11H9) - BSA Free
AB-108-C	Goat IgG Isotype Control [Unconjugated]
NBP2-29373-100Tests	Annexin V Apoptosis Kit [FITC]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. ELISA Kits are guaranteed for 6 months from date of receipt.

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