

# Product Datasheet

## Human IgG1 ELISA Kit (Colorimetric) KA1730

Unit Size: 1 Kit

Storage of components varies. See protocol for specific instructions.

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**KA1730****Human IgG1 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>	Storage of components varies. See protocol for specific instructions.
<b>Product Description</b>	
<b>Species</b>	Human
<b>Reactivity Notes</b>	Human
<b>Kit Components</b>	IgG1 Microplate (Item A): Coated with anti-human IgG1., Wash Buffer Concentrate (20x) (Item B): 20x concentrated solution., Standard Protein (Item C): Human IgG1. 1 vial is enough to run each standard in duplicate., Detection Antibody IgG1 (Item F): Biotinylated anti-Human IgG1. Each vial is enough to assay half the microplate., HRP-Streptavidin Concentrate (Item G): 2,000x concentrated HRP-conjugated streptavidin., TMB One-Step Substrate Reagent (Item H): 3,3',5,5'- tetramethylbenzidine (TMB) in buffer solution., Stop Solution (Item I): 0.2 M sulfuric acid., Assay Diluent (Item E2): 5x concentrated buffer.
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Standard Curve Range</b>	0.05 to 40 ng/mL
<b>Sensitivity</b>	0.05 ng/mL
<b>Inter Assay</b>	CV% < 12%
<b>Intra Assay</b>	CV% < 10%
<b>Assay Type</b>	Competitive ELISA
<b>Suitable Sample Type</b>	Plasma, Serum
<b>Sample Volume</b>	100 uL
<b>Product Application Details</b>	
<b>Applications</b>	ELISA
<b>Recommended Dilutions</b>	ELISA
<b>Application Notes</b>	IgG1 (Human) ELISA Kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of human IgG1.

**Publications**

Chen Z, Lu M. Novel electrochemical immunoassay for human IgG1 using metal sulfide quantum dot-doped bovine serum albumin microspheres on antibody-functionalized magnetic beads. Anal Chim Acta 2017-05-29 [PMID: 28599705]





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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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