

# Product Datasheet

## Human Complement C3a ELISA Kit (Colorimetric) KA1020

Unit Size: 1 Kit

Storage of components varies. See protocol for specific instructions.

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**KA1020****Human Complement C3a 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>Gene ID</b>	718
<b>Gene Symbol</b>	C3
<b>Species</b>	Human
<b>Reactivity Notes</b>	Human
<b>Kit Components</b>	Human Complement C3 Microplate: A 96-well polystyrene microplate (12 strips of 8 wells) coated with a polyclonal antibody against human complement C3., Sealing Tapes: Pressure-sensitive sealing tapes that can be cut to fit the format of the individual assay, Human Complement C3 Standard: Human Complement C3 in a buffered protein base (lyophilized)., Biotinylated Human Complement C3 Antibody (50x): A 50-fold concentrated biotinylated polyclonal antibody against human Complement C3., MIX Diluent Concentrate (10x): A 10-fold concentrated buffered protein base., Wash Buffer Concentrate (20x): A 20-fold concentrated buffered surfactant., Streptavidin-Peroxidase Conjugate (SP Conjugate): A 100-fold concentrate., Chromogen Substrate: A ready-to-use stabilized peroxidase chromogen substrate tetramethylbenzidine., Stop Solution: A 0.5 N hydrochloric acid to stop the chromogen substrate reaction.
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Standard Curve Range</b>	0.625 to 40 ng/mL
<b>Sensitivity</b>	0.6 ng/mL
<b>Inter Assay</b>	CV% < 7.50%
<b>Intra Assay</b>	CV% < 4.80%
<b>Assay Type</b>	Sandwich ELISA
<b>Spiking Recovery</b>	97%
<b>Suitable Sample Type</b>	Cell Culture Supernatant, Milk, Saliva, Urine
<b>Sample Volume</b>	50 uL
<b>Product Application Details</b>	
<b>Applications</b>	ELISA
<b>Recommended Dilutions</b>	ELISA
<b>Application Notes</b>	C3 (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human complement C3 in urine, milk, saliva, and cell culture supernatants.

## Publications

Han R, Hu S, Qin W, et al. C3a and suPAR drive versican V1 expression in tubular cells of focal segmental glomerulosclerosis JCI Insight 2020-04-04 [PMID: 30944246] (ELISA, Human)

Ramos-Casals M, Brito-Zeron P, Nardi N et al. Successful treatment of severe Raynaud's phenomenon with bosentan in four patients with systemic sclerosis. Rheumatology (Oxford) 2004-11-01 [PMID: 15502001]

Sacks S, Zhou W. The effect of locally synthesised complement on acute renal allograft rejection. J Mol Med 2003-06-25 [PMID: 12827269]

Sahu A, Lambris JD. Structure and biology of complement protein C3, a connecting link between innate and acquired immunity. Immunol Rev 2001-04-01 [PMID: 11414361]

Signorile PG, Baldi A. Supporting evidences for potential biomarkers of endometriosis detected in peripheral blood. Data in Brief. 2015-11-17 [PMID: 26759817]





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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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