

Datasheet: PHP010

Description:	HUMAN IgG1 KAPPA
Name:	IgG1 KAPPA
Format:	Purified
Product Type:	Purified Protein
Quantity:	1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			
Functional Assays (1)	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(1) This product contains sodium azide, removal by dialysis is recommended prior to use in functional assays.

Target Species	Human
Product Form	Purified protein - liquid
Preparation	Purified protein prepared from human myeloma serum by ion exchange chromatography, gel filtration and protein A chromatography.
Buffer Solution	TRIS buffered saline
Preservative Stabilisers	0.1% Sodium Azide (NaN ₃) <0.1% EACA <0.01% Benzamidine
Approx. Protein Concentrations	1.0 mg/ml
External Database Links	UniProt:

[P01834](#) [Related reagents](#)

[P01857](#) [Related reagents](#)

Entrez Gene:

[3514](#) IGKC [Related reagents](#)

[3500](#) IGHG1 [Related reagents](#)

References

1. Campbell, S. *et al.* (2006) Proinflammatory effects of TWEAK/Fn14 interactions in glomerular mesangial cells. [J Immunol. 176:1889-98.](#)
2. Hershkovitz, O. *et al.* (2009) NKp44 receptor mediates interaction of the envelope glycoproteins from the West Nile and dengue viruses with NK cells. [J Immunol. 183: 2610-21.](#)
3. Rosano, J.M. *et al.* (2009) A physiologically realistic *in vitro* model of microvascular networks. [Biomed Microdevices. 11 \(5\): 1051-7.](#)
4. Arnon, T.I. *et al.* (2008) Harnessing soluble NK cell killer receptors for the generation of novel cancer immune therapy. [PLoS One. 3\(5\): e2150.](#)
5. Ostrowitzki, S. *et al.* (2012) Mechanism of amyloid removal in patients with Alzheimer disease treated with gantenerumab. [Arch Neurol. 69 \(2\): 198-207.](#)
6. Rosental, B. *et al.* (2011) Proliferating Cell Nuclear Antigen Is a Novel Inhibitory Ligand for the Natural Cytotoxicity Receptor NKp44. [J Immunol. 187: 5693-702.](#)
7. Bloem, K. *et al.* (2013) DCIR interacts with ligands from both endogenous and pathogenic origin. [Immunol Lett. pii: S0165-2478\(13\)00174-0.](#)

Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

Guaranteed until date of expiry. Please see product label.

Health And Safety Information

Material Safety Datasheet documentation #10341 available at:
10341: <https://www.bio-rad-antibodies.com/uploads/MSDS/10341.pdf>

Donor material tested and found negative for HBsAg and antibodies to HIV and HCV.

As no test can completely guarantee this material to be free of pathogens it should be handled as potentially infectious

Regulatory

For research purposes only

North & South America

Tel: +1 800 265 7376
Fax: +1 919 878 3751
Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700
Fax: +44 (0)1865 852 739
Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21
Fax: +49 (0) 89 8090 95 50
Email: antibody_sales_de@bio-rad.com

From March 15, 2021, we will no longer supply printed datasheets with our products.

Printed on 09 Feb 2021