

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. [Dialysis cassette \(EQU003\)](#) is suitable for this purpose.**

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	0.1% Sodium Azide (NaN ₃)
Stabilisers	<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.

Shelf Life 18 months from date of despatch.

Health And Safety Information Material Safety Datasheet documentation #10341 available at <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

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'M245828:140311'

Printed on 26 May 2017

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