

Datasheet: 740605

BATCH NUMBER 168095

Description:	RECOMBINANT PROTEIN G:HRP
Name:	PROTEIN G
Format:	HRP
Product Type:	Recombinant Protein
Quantity:	1 ml

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	▪			1/4000 - 1/8000

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.

Target Species	Bacterial
Product Form	Recombinant protein - conjugated to Horseradish Peroxidase (HRP) - liquid
Preparation	Recombinant protein G from <i>Streptococcus</i> strain G148, expressed in <i>E.coli</i> .
Source	<i>E.coli</i>
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	50% Glycerol
Product Information	Recombinant Protein G is a preparation of streptococcal protein G expressed in <i>E. coli</i> . Protein G binds to the Fc portion of immunoglobulin G subclasses (IgGs) from a broad range of species including human and mouse, and does not bind IgA, IgE, IgM or serum albumin.
Protein Molecular Weight	22 kDa (monomeric protein lacking cystine residues)

References

1. McDonald, J.U. *et al.* (2016) Development of a custom pentaplex sandwich immunoassay using Protein-G coupled beads for the Luminex® xMAP® platform. [J Immunol Methods. 433: 6-16.](#)

Further Reading

1. Qi et al (2001) Chromatography on DEAE ion-exchange and Protein G affinity columns in tandem for the separation and purification of proteins. [Biochem Biophys Methods. 49. 263-273.](#)
2. Saegerman et al (2004) Evaluation of three serum i-ELISAs using monoclonal antibodies and protein G as peroxidase conjugate for the diagnosis of bovine brucellosis. [Vet Microbiol. 20. 91-105.](#)

Storage

Store at -20°C only.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. 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 #10260 available at: <https://www.bio-rad-antibodies.com/SDS/740605>
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Regulatory

For research purposes only

Related Products

Recommended Useful Reagents

[TMB CORE \(BUF056A\)](#)

[TMB CORE+ \(BUF062A\)](#)

[TMB SIGNAL+ \(BUF054A\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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