

## Datasheet: 740605

<b>Description:</b>	RECOMBINANT PROTEIN G:HRP
<b>Name:</b>	PROTEIN G
<b>Format:</b>	HRP
<b>Product Type:</b>	Recombinant Protein
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Bacterial
<b>Product Form</b>	Recombinant protein - conjugated to Horseradish Peroxidase (HRP) - liquid
<b>Preparation</b>	Recombinant protein G from <i>Streptococcus</i> strain G148, expressed in <i>E.coli</i> .
<b>Source</b>	<i>E.coli</i>
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	50% Glycerol
<b>Product Information</b>	<b>Recombinant Protein G</b> 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.
<b>Protein Molecular Weight</b>	22 kDa (monomeric protein lacking cystine residues)

## References

1. 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.](#)
2. 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.](#)
3. 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. pii: S0022-1759\(16\)30033-3. \[Epub ahead of print\]](#)

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## 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.

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## Guarantee

Guaranteed until date of expiry. Please see product label.

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## Health And Safety Information

Material Safety Datasheet documentation #10260 available at:  
<https://www.bio-rad-antibodies.com/SDS/740605>  
10260

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## Regulatory

For research purposes only

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## 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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