

Technical Data Sheet

HRP Protein A

Product Information

Material Number:	610438
Size:	1.0 mg
Concentration:	1.0 mg/ml
Storage Buffer:	1 mg/ml in 50% glycerol, 20mM sodium phosphate pH 7.5, 150 mM NaCl.

Description

Protein A has been reported to bind strongly to rabbit IgG and mouse IgG2 isotypes. However, protein A does not bind mouse IgM and weakly binds IgG1. When conjugated to agarose, protein A acts as a solid matrix facilitating the immunoprecipitation of antigen-antibody complexes. It can also be utilized for antibody purification. As a horseradish peroxidase conjugate, protein A can be used instead of secondary antibody detection methods in Western blotting with polyclonal antibodies and with IgG2a and IgG2b mouse monoclonal antibodies.

Horsradish peroxidase (HRP) was coupled to protein A at a concentration of 4 mg/mg of protein A using the periodate method. For the detection of antigen using polyclonal antibodies in Western blotting, a concentration of 0.5 µg/ml (1:2000 dilution) is suggested.

Preparation and Storage

Store undiluted at -20° C.

Application Notes

Application

Western blot	Routinely Tested
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Recommended Assay Procedure:

Western blot: Please refer to http://www.bdbiosciences.com/pharmingen/protocols/Horsradish_Peroxidase.shtml

Suggested Companion Products

Catalog Number	Name	Size	Clone
610437	Agarose Protein A	0.5 ml	(none)

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.

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