

Datasheet for ABIN1536528

Protein G Protein (HRP)

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Overview

Quantity:	1 mg
Target:	Protein G
Origin:	Streptococcus
Host:	Please inquire
Purification tag / Conjugate:	This Protein G protein is labelled with HRP.
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Immunoelectron Microscopy (IEM), Dot Blot (DB)

Product Details

Target Details

Target:	Protein G
Abstract:	Protein G Products
Background:	Protein G, a cell surface protein of Group G streptococci, is a Type III Fc receptor that binds to the Fc region of IgG by a non-immune mechanism similar to that of protein A. It contains 3 IgG binding domains and is engineered to delete albumin-binding region. HRP has been covalently coupled to Protein G to produce the HRP-Protein G, which can be used in detection systems such as immunoblotting, ELISA, immunoperoxidase electron microscopy and immunohistochemistry.

Application Details

Application Notes:	Suitable for immunoblotting (western or dot blot), ELISA, immunoperoxidase electron
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Application Details

microscopy and immunohistochemistry as well as other peroxidase-antibody based enzymatic assays requiring lot-to-lot consistency. Working concentrations for specific applications should be determined by the investigator. Appropriate concentrations will be affected by several factors, including primary antibody affinity, antigen concentration, sensitivity of detection method, temperature, and length of incubations, etc. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product. Dot blot: 1:2,000-1:10,000 Western blot: 1:2,000-1:10,000 ELISA: 1:10,000-1:50,000 Immunohistology: 1:1,000-1:10,000

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute the lyophilized power with 1.0 ml of deionized water to a final HRP-Protein G concentration of 1 mg/ml.
Buffer:	PBS, pH 7.4, containing 1% BSA and 0.01% Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains thimerosal (merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	HRP-Protein G should be stored lyophilized until use. It remains stable in lyophilized form for at least two years if stored at 2-8°C. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C or for up to two years at -20°C or below. Avoid repeated freezing and thawing cycles.
Expiry Date:	24 months