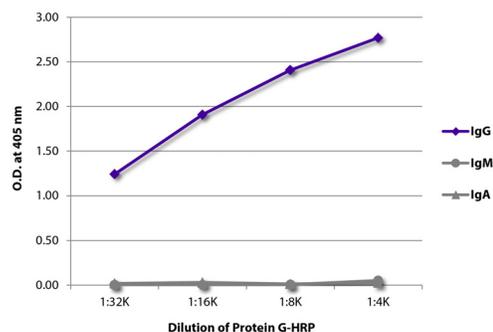




Protein G

Cat. No.	Format	Size
7406-01L	Purified Protein - Lyophilized	5.0 mg
7406-01S	Purified Protein - Lyophilized	1.0 mg
7406-05	Horseradish Peroxidase (HRP)	1.0 mL



ELISA plate was coated with purified human IgG, IgM, and IgA. Immunoglobulins were detected with serially diluted Protein G-HRP (SB Cat. No. 7406-05).

Description

Specificity	Binds IgG including all human and mouse subclasses; does not bind IgM, IgA, IgE, or bovine serum albumin
Source	<i>E. coli</i>
Structure	Recombinant (<i>Streptococcus</i> stain G148) monomeric protein lacking cysteine residues; Mr 22 kDa (Mr by SDS-PAGE - 32 kDa) Contains a Streptavidin Binding Peptide (SBP) tag

Applications

Quality tested applications include –
ELISA ^{1,2}

Other applications include –
Purification
WB ³
IP

Working Dilutions

ELISA	HRP conjugate	1:4,000 – 1:8,000
Other Applications	Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.	

For Research Use Only. Not for Diagnostic or Therapeutic Use.

Handling and Storage

- The purified (UNLB) protein G is supplied as 5.0 mg or 1.0 mg of purified lyophilized protein. Store material for up to one year at -20°C prior to reconstitution. Reconstitute in PBS to the highest concentration possible. Following reconstitution, store up to one month at 2-8°C or aliquot and store at -20°C for up to six months.
- The horseradish peroxidase (HRP) conjugate is supplied as 1.0 mL in a stock solution of 50% glycerol/50% PBS, pH 7.4. *No preservative added.* Store at 2-8°C or long-term at -20°C.
- Reagents are stable for the period shown on the label if stored as directed.

References

1. Martinez-Grau MA, inventor; Eli Lilly and Company, assignee. Ghrelin O-acyl transferase inhibitors. United States patent US 9,035,051 B1. 2015 May 19. (ELISA)
2. Galka CS, Hembre EJ, Honigschmidt NA, Martinez-Grau MA, Plaza GR, Rubui A, inventors; Eli Lilly and Company, assignee. Ghrelin O-acyl transferase inhibitors. United States patent application publication US 2018/0086732 A1. 2018 Mar 29. (ELISA)
3. Cheng R, Takeda K, Naguro I, Hatta T, Iemura S, Natsume T, et al. β -TrCP-dependent degradation of ASK1 suppresses the induction of the apoptotic response by oxidative stress. *Biochim Biophys Acta*. 2018 Jul 18. doi: 10.1016/j.bbagen.2018.07.015. [Epub ahead of print]. (WB)
4. Elvira G, García I, Benito M, Gallo J, Desco M, Penadés S, et al. Live imaging of mouse endogenous neural progenitors migrating in response to an induced tumor. *PLoS One*. 2012;7(9):e44466.