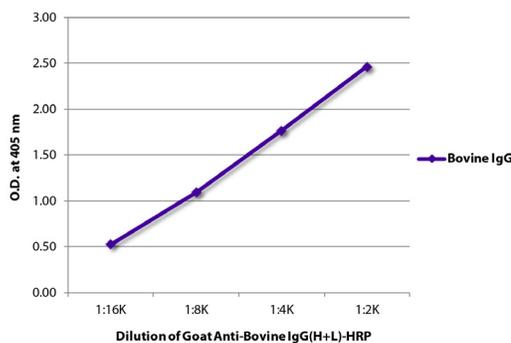




Goat Anti-Bovine IgG(H+L)

Cat. No.	Format	Size
6030-01	Purified (UNLB)	1.0 mg
6030-02	Fluorescein (FITC)	1.0 mg
6030-04	Alkaline Phosphatase (AP)	1.0 mL
6030-05	Horseradish Peroxidase (HRP)	1.0 mL
6030-08	Biotin (BIOT)	1.0 mg



ELISA plate was coated with purified bovine IgG. Immunoglobulin was detected with Goat Anti-Bovine IgG(H+L)-HRP (SB Cat. No. 6030-05).

Description

Specificity	Reacts with the heavy and light chains of bovine IgG
Source	Pooled antisera from goats hyperimmunized with bovine IgG
Cross Adsorption	None; may react with immunoglobulins from other species and the light chains of other bovine immunoglobulins
Purification	Affinity chromatography on bovine IgG covalently linked to agarose

Applications

Quality tested applications include –

ELISA ¹⁻⁶
FLISA

Other referenced applications include –

FC ⁷
ICC ^{6,8}
IP ⁹
WB ^{2,10}
Purification ¹
SPR ¹¹

Working Dilutions

ELISA	AP conjugate	1:2,000 – 1:4,000
	HRP conjugate	1:4,000 – 1:8,000
	BIOT conjugate	1:5,000 – 1:20,000
FLISA	FITC conjugate	1:200 – 1:400

Other Applications Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.

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Handling and Storage

- The purified (UNLB) antibody is supplied as 1.0 mg purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The fluorescein (FITC) conjugate is supplied as 1.0 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The alkaline phosphatase (AP) conjugate is supplied as 1.0 mL in a stock solution of 50 mM Tris/1 mM MgCl₂/50% glycerol, pH 8.0, containing NaN₃ as preservative. Store at 2-8°C or long-term at -20°C.
- 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.
- The biotin (BIOT) conjugate is supplied as 1.0 mg in 2.0 mL of PBS/NaN₃. Store at 2-8°C.
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

Warning

Some reagents contain sodium azide. Please refer to product specific SDS.

References

1. Riedel M, Müller B, Wintermantel E. Protein adsorption and monocyte activation on germanium nanopipipets. *Biomaterials*. 2001;22:2307-16. (ELISA, Purification)
2. Liu J, Yu J, Wang M, Liu Q, Zhang W, Deng C, et al. Serodiagnosis of Neospora caninum infection in cattle using a recombinant tNcSRS2 protein-based ELISA. *Vet Parasitol*. 2007;143:358-63. (ELISA, WB)
3. Juleff N, Windsor M, Lefevre EA, Gubbins S, Hamblin P, Reid E, et al. Foot-and-mouth disease virus can induce a specific and rapid CD4⁺ T-cell-independent neutralizing and isotype class-switched antibody response in naïve cattle. *J Virol*. 2009;83:3626-36. (ELISA)
4. Cui J, Zhang B, Lin Y, Wang Q, Qian A, Nakane A, et al. Protective effect of glutathione S-transferase-fused mutant staphylococcal enterotoxin C against Staphylococcus aureus-induced bovine mastitis. *Vet Immunol Immunopathol*. 2010;135:64-70. (ELISA)
5. Otto W, Najnigier B, Stelmasiak T, Robins-Browne RM. Randomized control trials using a tablet formulation of hyperimmune bovine colostrum to prevent diarrhea caused by enterotoxigenic Escherichia coli in volunteers. *Scand J Gastroenterol*. 2011;46:862-8. (ELISA)
6. Mertens M, Vatansever Z, Mrenoshki S, Krstevski K, Stefanovska J, Djadjovski I, et al. Circulation of Crimean-Congo Hemorrhagic Fever Virus in the former Yugoslav Republic of Macedonia revealed by screening of cattle sera using a novel enzyme-linked immunosorbent assay. *PLoS Negl Trop Dis*. 2015;9(3):e0003519. (ELISA, ICC)
7. Guirnalda P, Murphy NB, Nolan D, Black SJ. Anti-Trypanosoma brucei activity in Cape buffalo serum during the cryptic phase of parasitemia is mediated by antibodies. *Int J Pathol*. 2007;37:1391-9. (FC)
8. Basso W, Lesser M, Grimm F, Hilbe M, Sydler T, Trösch L, et al. Bovine besnoitiosis in Switzerland: imported cases and local transmission. *Vet Parasitol*. 2013;198:265-73. (ICC)
9. Foucras G, Corbière F, Tasca C, Pichereaux C, Caubet C, Trumel C, et al. Alloantibodies against MHC class I: a novel mechanism of neonatal pancytopenia linked to vaccination. *J Immunol*. 2011;187:6564-70. (IP)
10. Odunuga OO, Shazhko A. Ammonium sulfate precipitation combined with liquid chromatography is sufficient for purification of bovine serum albumin that is suitable for most routine laboratory applications. *Bio Chem Comp*. 2013; 1:3 <http://dx.doi.org/10.7243/2052-9341-1-3>. (WB)
11. Indyk HE, Williams JW, Patel HA. Analysis of denaturation of bovine IgG by heat and high pressure using an optical biosensor. *Int Dairy J*. 2008;18:359-66. (Surface Plasmon Resonance)