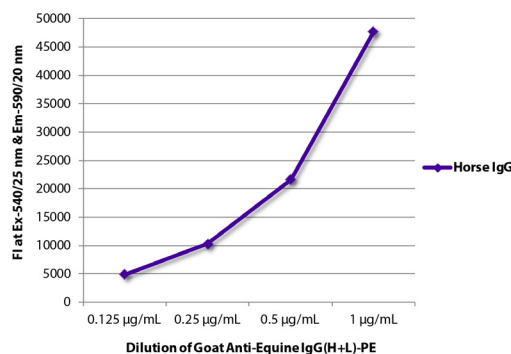




Goat Anti-Equine IgG(H+L)

Cat. No.	Format	Size
6040-01	Purified (UNLB)	1.0 mg
6040-02	Fluorescein (FITC)	1.0 mg
6040-04	Alkaline Phosphatase (AP)	1.0 mL
6040-05	Horseradish Peroxidase (HRP)	1.0 mL
6040-08	Biotin (BIOT)	1.0 mg
6040-09	R-phycoerythrin (PE)	0.5 mg



FLISA plate was coated with purified horse IgG. Immunoglobulin was detected with serially diluted Goat Anti-Equine IgG(H+L)-PE (SB Cat. No. 6040-09).

Description

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

Applications

Quality tested applications include –

ELISA¹⁻³
FLISA

Other referenced applications include –

FC^{4,5}
ICC⁶
WB⁷⁻¹⁰

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
	PE conjugate	≤ 1 µg/mL

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) 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.
- The R-phycoerythrin (PE) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- 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. Hobo S, Niwa H, Anzai T, Jones JH. Changes in serum antibody levels after vaccination for strangles and after intranasal challenge with *Streptococcus equi* subsp. *equi* in horses. *J Equine Sci.* 2010;21:33-7. (ELISA)
2. De Keyser K, Oosterlinck M, Raes E, Ducatelle R, Janssens S, Buys N. Early detection of chronic progressive lymphoedema susceptibility in Belgian draught horse stallions by means of ELISA. *Commun Agric Appl Biol Sci.* 2012;77:183-7. (ELISA)
3. De Keyser K, Berth M, Christensen N, Willaert S, Janssens S, Ducatelle R, et al. Assessment of plasma anti-elastin antibodies for use as a diagnostic aid for chronic progressive lymphoedema in Belgian Draught Horses. *Vet Immunol Immunopathol.* 2015;163:16-22. (ELISA)
4. Colson YL, Li H, Boggs SS, Patrene KD, Johnson PC, Ildstad ST. Durable mixed allogeneic chimerism and tolerance by a nonlethal radiation-based cytoreductive approach. *J Immunol.* 1996;157:2820-9. (FC)
5. Flynn J, Cox CV, Rizzo S, Foukaneli T, Rice K, Murphy M, et al. Direct binding of antithymocyte globulin to haemopoietic progenitor cells in aplastic anaemia. *Br J Haematol.* 2003;122:289-97. (FC)
6. Toscan G, Cadore GC, Pereira RC, Silva GB, Cezar AS, Sangioni LA, et al. Equine neosporosis: occurrence of antibodies against *Neospora* spp. and association between the serological status of the mares and of their offspring. *Pesq Vet Bras.* 2010;30:641-5. (ICC)
7. van 't Veer C, Mann KG. Regulation of tissue factor initiated thrombin generation by the stoichiometric inhibitors tissue factor pathway inhibitor, antithrombin-III, and heparin cofactor-II. *J Biol Chem.* 1997;272:4367-77. (WB)
8. Warner S, Hartley CA, Stevenson RA, Ficorilli N, Varrasso A, Studdert MJ, et al. Evidence that Equine rhinitis A virus VP1 is a target of neutralizing antibodies and participates directly in receptor binding. *J Virol.* 2001;75:9274-81. (WB)
9. Campbell JE, Brummel-Ziedins KE, Butenas S, Mann KG. Cellular regulation of blood coagulation: a model for venous stasis. *Blood.* 2010;116:6082-91. (WB)
10. Zhang J, Meng W, Wang C, Wu Z, Wu G, Xu Y. Expression, purification and characterization of recombinant plasminogen activator from *Gloydius brevicaudus* venom in *Escherichia coli*. *Protein Expr Purif.* 2013;91:85-90. (WB)