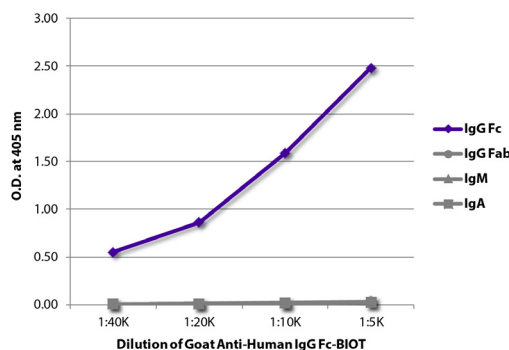




Goat Anti-Human IgG Fc

Cat. No.	Format	Size
2048-01	Purified (UNLB)	0.5 mg
2048-02	Fluorescein (FITC)	0.5 mg
2048-04	Alkaline Phosphatase (AP)	1.0 mL
2048-05	Horseradish Peroxidase (HRP)	1.0 mL
2048-08	Biotin (BIOT)	0.5 mg
2048-09	R-phycoerythrin (PE)	0.25 mg
2048-30	Alexa Fluor [®] 488 (AF488)	0.5 mg
2048-31	Alexa Fluor [®] 647 (AF647)	0.5 mg
2048-32	Alexa Fluor [®] 555 (AF555)	0.5 mg



ELISA plate was coated with purified human IgG Fc, IgG Fab, IgM, and IgA. Immunoglobulins were detected with serially diluted Goat Anti-Human IgG Fc-BIOT (SB Cat. No. 2048-08) followed by Streptavidin-HRP (SB Cat. No. 7100-05).

Description

Specificity	Reacts with the Fc region of human IgG
Source	Pooled antisera from goats hyperimmunized with human IgG
Cross Adsorption	Human IgG Fab, IgM, and IgA; may react with IgG from other species
Purification	Affinity chromatography on human IgG Fc covalently linked to agarose

Applications

Quality tested applications include –

ELISA¹
FLISA

Other referenced applications include –

WB^{2,3}
SPR⁴

Working Dilutions

ELISA	Purified (UNLB) antibody	≤ 1 µg/mL
	AP conjugate	1:2,000 – 1:4,000
	HRP conjugate	1:2,000 – 1:4,000
	BIOT conjugate	1:5,000 – 1:10,000
FLISA	FITC, AF488, and AF555 conjugates	1:100 – 1:400
	PE and AF647 conjugates	≤ 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.	

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Handling and Storage

- The purified (UNLB) antibody is supplied as 0.5 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), Alexa Fluor® 488 (AF488), Alexa Fluor® 555 (AF555), and Alexa Fluor® 647 (AF647) conjugates are supplied as 0.5 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 0.5 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 0.25 mg in 0.5 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. Wang Q, Chen K, Liu F, Zhao F, Gupta S, Zhang N, et al. Novel GLP-1 fusion chimera as potent long acting GLP-1 receptor agonist. PLoS One. 2010;5(9):e12734. (ELISA)
2. Shen X, Hu G, Jiang S, He F, Xing W, Li L, et al. Engineering and characterization of a baculovirus-expressed mouse/human chimeric antibody against transferrin receptor. Protein Eng Des Sel. 2009;22:723-31. (WB)
3. Djoumerska-Alexieva IK, Dimitrov JD, Voynova EN, Lacroix-Desmazes S, Kaveri SV, Vassilev TL. Exposure of IgG to an acidic environment results in molecular modifications and in enhanced protective activity in sepsis. FEBS J. 2010;277:3039-50. (WB)
4. Kaymakcalan Z, Sakorafas P, Bose S, Scesney S, Xiong L, Hanzatian DK, et al. Comparisons of affinities, avidities, and complement activation of adalimumab, infliximab, and etanercept in binding to soluble and membrane tumor necrosis factor. Clin Immunol. 2009;131:308-16. (Surface Plasmon Resonance)

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