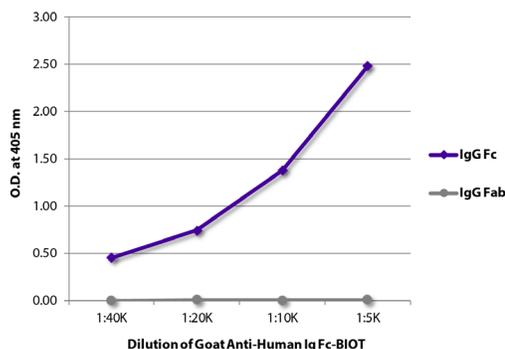




Goat Anti-Human Ig Fc

| Cat. No. | Format | Size |
|----------|------------------------------|--------|
| 2047-01 | Purified (UNLB) | 0.5 mg |
| 2047-04 | Alkaline Phosphatase (AP) | 1.0 mL |
| 2047-05 | Horseradish Peroxidase (HRP) | 1.0 mL |
| 2047-08 | Biotin (BIOT) | 0.5 mg |
| 2047-30 | Alexa Fluor® 488 (AF488) | 0.5 mg |



ELISA plate was coated with purified human IgG Fc and IgG Fab. Immunoglobulins were detected with serially diluted Goat Anti-Human Ig Fc-BIOT (SB Cat. No. 2047-08) followed by Streptavidin-HRP (SB Cat. No. 7100-05).

Description

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

Applications

Quality tested applications include –

- ELISA ^{1,2}
- FLISA

Working Dilutions

| | | |
|--------------|--------------------------|--------------------|
| ELISA | Purified (UNLB) antibody | ≤ 1 µg/mL |
| | 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 | AF488 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 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 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 Alexa Fluor® 488 (AF488) conjugate is supplied as 0.5 mg in 1.0 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. Terato K, Do CT, Cutler D, Waritani T, Shionoya H. Preventing intense false positive and negative reactions attributed to the principle of ELISA to re-investigate antibody studies in autoimmune diseases. *J Immunol Methods*. 2014;407:15-25. (ELISA)
2. Zhao Q, Ahmed M, Guo H, Cheung IY, Cheung NV. Alteration of electrostatic surface potential enhances affinity and tumor killing properties of anti-ganglioside GD2 monoclonal antibody hu3F8. *J Biol Chem*. 2015;290:13017-27. (ELISA)

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