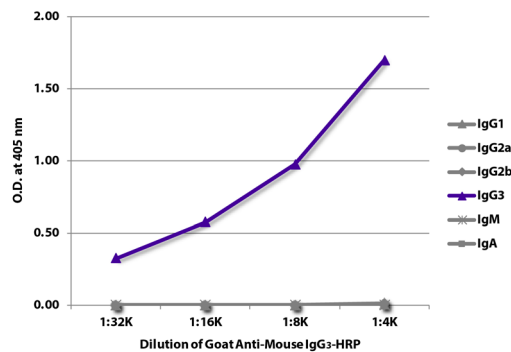




Goat Anti-Mouse IgG₃

Cat. No.	Format	Size
1101-01	Purified (UNLB)	1.0 mg
1101-02	Fluorescein (FITC)	1.0 mg
1101-05	Horseradish Peroxidase (HRP)	1.0 mL
1101-30	Alexa Fluor® 488 (AF488)	1.0 mg
1101-31	Alexa Fluor® 647 (AF647)	1.0 mg
1101-32	Alexa Fluor® 555 (AF555)	1.0 mg



ELISA plate was coated with purified mouse IgG₁, IgG_{2a}, IgG_{2b}, IgG₃, IgM, and IgA. Immunoglobulins were detected with serially diluted Goat Anti-Mouse IgG₃-HRP (SB Cat. No. 1101-05).

Description

Specificity	Reacts with the heavy chain of mouse IgG ₃
Source	Pooled antisera from goats hyperimmunized with mouse IgG ₃
Cross Adsorption	Mouse IgG ₁ , IgG _{2a} , IgG _{2b} , IgM, and IgA; may react with immunoglobulins from other species
Purification	Affinity chromatography on mouse IgG ₃ covalently linked to agarose

Applications

Quality tested applications include –

ELISA ^{1,2}
FLISA

Working Dilutions

ELISA	Purified (UNLB) antibody	≤ 1 µg/mL
	HRP conjugate	1:4,000 – 1:8,000
FLISA	FITC, AF488, and AF555 conjugates	1:100 – 1:400
	AF647 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.

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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), Alexa Fluor® 488 (AF488), Alexa Fluor® 555 (AF555), and Alexa Fluor® 647 (AF647) conjugates are supplied as 1.0 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°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.
- 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. Silva-Sanchez A, Liu CR, Vale AM, Khass M, Kapoor P, Elgavish A, et al. Violation of an evolutionarily conserved immunoglobulin diversity gene sequence preference promotes production of dsDNA-specific IgG antibodies. *PLoS One*. 2015;10(2):e0118171. (ELISA)
2. Schepetkin IA, Kirpotina LN, Hammaker D, Kochetkova I, Khlebnikov AI, Lyakhov SA, et al. Anti-inflammatory effects and joint protection in collagen-induced arthritis after treatment with IQ-1S, a selective c-Jun N-terminal kinase inhibitor. *J Pharmacol Exp Ther*. 2015;353:505-16. (ELISA)

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