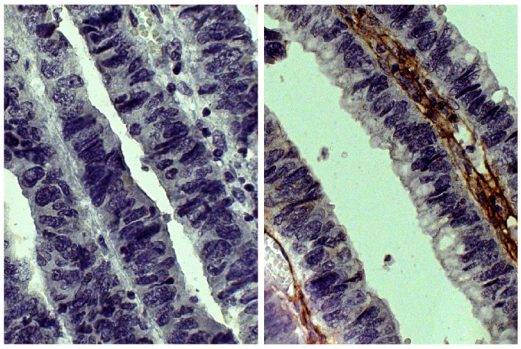
SouthernBiotech

Swine Anti-Goat IgG(H+L), Human/Rat/Mouse SP ads

Cat. No.	Format	Size
6300-01	Purified (UNLB)	1.0 mg
6300-02	Fluorescein (FITC)	1.0 mg
6300-04	Alkaline Phosphatase (AP)	1.0 mL
6300-05	Horseradish Peroxidase (HRP)	1.0 mL
6300-08	Biotin (BIOT)	1.0 mg
6300-09	R-phycoerythrin (PE)	0.5 mg
6300-31	Alexa Fluor® 647 (AF647)	1.0 mg
6300-32	Alexa Fluor® 555 (AF555)	1.0 mg



Paraffin embedded human gastric cancer tissue was stained with Goat IgG-UNLB isotype control (SB Cat. No. 0109-01; left) and Goat Anti-Type III Collagen-UNLB (SB Cat. No. 1330-01; right) followed by Swine Anti-Goat IgG(H+L), Human/Rat/Mouse SP ads-HRP (SB Cat. No. 6300-05), DAB, and hematoxylin.

Description

Specificity	Reacts with the heavy and light chains of goat IgG
Source	Pooled antisera from swine hyperimmunized with goat IgG
Cross Adsorption	Human, rat, and mouse serum proteins (SP); may react with immunoglobulins from other species and the light chains of other goat immunoglobulins
Purification	Affinity chromatography on goat IgG covalently linked to agarose

Applications

Quality tested applications include –
- ELISA
- FLISA

Other referenced applications include –
- FC [1,2]
- IHC-FS [3]
- WB [4-7]

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 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.	

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® 555 (AF555), and Alexa Fluor® 647 (AF647) conjugates are supplied as 1.0 mg in 1.0 mL of PBS/NaN_3. 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 $MgCl_2$/50% glycerol, pH 8.0, containing NaN_3 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/NaN_3. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN_3 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

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2. Madera-Salcedo IK, Cruz SL, Gonzalez-Espinosa C. Morphine prevents lipopolysaccharide-induced TNF secretion in mast cells blocking IκB kinase activation and SNAP-23 phosphorylation: correlation with the formation of a β-arrestin/TRAF6 complex. J Immunol. 2013;191:3400-9. (FC)
3. Zone JJ, Schmidt LA, Taylor TB, Hull CM, Sotiriou MC, Jaskowski TD, et al. Dermatitis herpetiformis sera or goat anti-transglutaminase-3 transferred to human skin-grafted mice mimics dermatitis herpetiformis immunopathology. J Immunol. 2011;186:4474-80. (IHC-FS)
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5. Norring SA, Ednie AR, Schwetz TA, Du D, Yang H, Bennett ES. Channel sialic acids limit hERG channel activity during the ventricular action potential. FASEB J. 2013;27:622-31. (WB)
6. Holden JA, Attard TJ, Laughton KM, Mansell A, O'Brien-Simpson NM, Reynolds EC. Porphyromonas gingivalis lipopolysaccharide weakly activates M1 and M2 polarized mouse macrophages but induces inflammatory cytokines. Infect Immun. 2014;82:4190-203. (WB)
7. Pendaries V, Le Lamer M, Cau L, Hansmann B, Malaisse J, Kezic S, et al. In a three-dimensional reconstructed human epidermis filaggrin-2 is essential for proper cornification. Cell Death Dis. 2015;6:e1656. (WB)

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