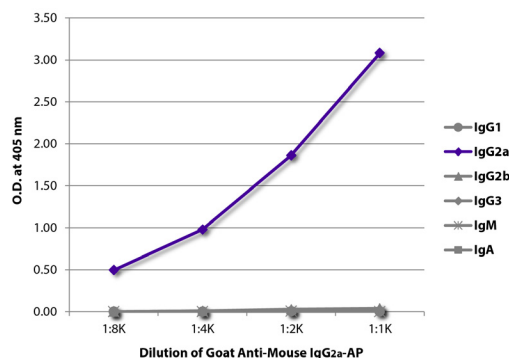




## Goat Anti-Mouse IgG<sub>2a</sub>

Cat. No.	Format	Size
1081-01	Purified (UNLB)	1.0 mg
1081-02	Fluorescein (FITC)	1.0 mg
1081-04	Alkaline Phosphatase (AP)	1.0 mL
1081-05	Horseradish Peroxidase (HRP)	1.0 mL
1081-08	Biotin (BIOT)	1.0 mg
1081-30	Alexa Fluor <sup>®</sup> 488 (AF488)	1.0 mg
1081-31	Alexa Fluor <sup>®</sup> 647 (AF647)	1.0 mg
1081-32	Alexa Fluor <sup>®</sup> 555 (AF555)	1.0 mg



ELISA plate was coated with purified mouse IgG<sub>1</sub>, IgG<sub>2a</sub>, IgG<sub>2b</sub>, IgG<sub>3</sub>, IgM, and IgA. Immunoglobulins were detected with serially diluted Goat Anti-Mouse IgG<sub>2a</sub>-AP (SB Cat. No. 1081-04).

### Description

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

### Applications

Quality tested applications include –

ELISA  
FLISA

Other referenced applications include –

IHC-FS<sup>1</sup>  
ICC<sup>1</sup>  
WB<sup>2</sup>

### Working Dilutions

<b>ELISA</b>	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
<b>FLISA</b>	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.**

## Handling and Storage

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- 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/NaN<sub>3</sub>. 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<sub>2</sub>/50% glycerol, pH 8.0, containing NaN<sub>3</sub> 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<sub>3</sub>. Store at 2-8°C.
- The Alexa Fluor<sup>®</sup> 488 (AF488), Alexa Fluor<sup>®</sup> 555 (AF555), and Alexa Fluor<sup>®</sup> 647 (AF647) conjugates are supplied as 1.0 mg in 1.0 mL of PBS/NaN<sub>3</sub>. 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

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Some reagents contain sodium azide. Please refer to product specific SDS.

## References

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1. Piersma B, de Rond S, Werker PM, Boo S, Hinz B, van Beuge MM, et al. YAP1 is a driver of myofibroblast differentiation in normal and diseased fibroblasts. *Am J Pathol.* 2015;185:3326-37. (IHC-FS, ICC)
2. Bruns SA. Autophagy regulation by the p38 MAP kinase [dissertation]. Magdeburg (Germany): Otto-von-Guericke-Universität Magdeburg; 2017. (WB)

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