

## Goat Anti-mouse IgG-AP (Secondary Antibody)

Catalog Number:	1010-GM-AP
Product Specification:	Goat Anti-Mouse IgG antibody-conjugated to Alkaline Phosphatase.
Size:	100 µl
Type:	Secondary antibody for detecting mouse IgG heavy and light chains in Western Blots, ELISA and dot blots etc.
Host Species:	Goat.
Immunogen:	Mouse IgG (H + L)
Purity:	Affinity purified and adsorbed on human and bovine serum to reduce non-specific cross-reactivity.
Formulation:	0.05M Tris buffered saline pH 8.0, 50% Glycerol containing 0.001M MgCl <sub>2</sub> , 0.0001M ZnCl <sub>2</sub> , 1.5% BSA and 0.09% sodium azide.
Western Blot & ELISA	1: 3000 to 1:5000 Suggested dilution
Immuno Histochemistry:	1: 1000 to 1:2000 Suggested dilution
Storage:	-20°C in aliquots. Freeze-thaw cycles must be avoided once the stock aliquot is diluted. Stable for one week when stored at 2-8°C.

### Product Background:

Chemiluminescent detection systems have emerged as the best all-around method for detection of Western blots. They eliminate the hazards associated with radioactive materials and toxic chromogenic substrates. The speed and sensitivity of these methods are unequalled by traditional alternatives. Because results are generated on film, it is possible to record and store data permanently, and blots detected with chemiluminescent methods are easily stripped for subsequent reprobing with additional antibodies. Horseradish peroxidase (HRP) conjugated secondary antibodies are utilized in conjunction with specific chemiluminescent substrates to generate the light signal. Horseradish peroxidase-antibody conjugates have a very high turnover rate, giving good sensitivity with short reaction times.

**Related Products:**

1010-GM-HR	Goat Anti-Mouse IgG –HRP: Secondary Antibody
1010-GM-HR1	Goat Anti-Mouse IgG –HRP: Secondary Antibody
1010-GR-HR	Goat Anti-Rabbit IgG-HRP: Secondary Antibody
1010-DG-HR	Donkey Anti-Goat IgG-HRP : Secondary Antibody

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