



**Catalog: OM233974**

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# GFP Tag Antibody

Catalog: OM233974

☐ 100ug

## Product profile

Product name	GFP Tag Antibody
Antibody Type	Tags Antibodies

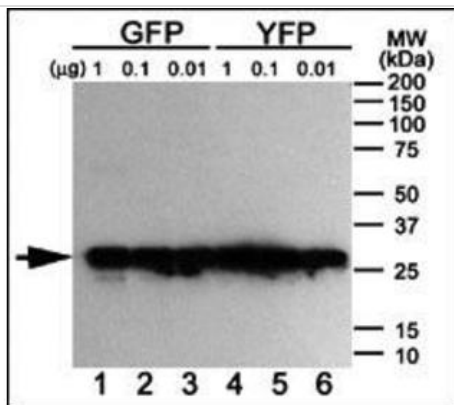
## Key Feature

Clonality	Monoclonal
Isotype	IgG1
Clone Number	168AT1211
Host Species	Mouse
Tested Applications	WB ,IF ,IHC
Species Reactivity	Human
Concentration	1 mg/ml
Purification	

## Target Information

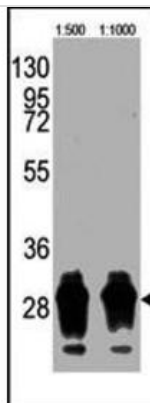
Molecular Weight(MW)	48 kDa
Tissue Specificity	Purified His-tagged GFP protein was used to produced this monoclonal antibody.

## Application



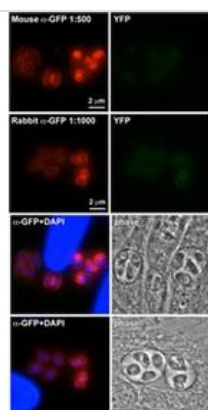
#### Application

Western blot analysis of anti-GFP Mab (Cat. #AM1009a) using purified GFP, YFP and BFP proteins expressed in bacteria: Both GFP (Lanes 1-3) and YFP (Lanes 4-6) but not BFP (data not shown) were detected using the purified Mab.



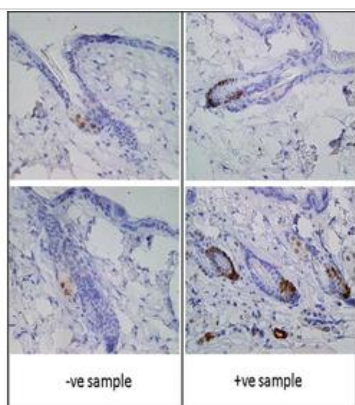
#### Application

Western blot analysis of anti-GFP Tag Antibody (Cat. #AM1009a) in GFP recombinant protein. GFP recombinant protein (arrow) was detected using the purified Mab.



#### Application

Immuno-fluorescence for GFP Tag Antibody (Cat # AM1009A). Antibody target is a YFP tagged protein (the inner membrane complex) of *Toxoplasma gondii*, which localizes around the exterior of the parasite. Brighter parasites represent actively dividing cells and darker ones are not actively dividing. Secondary goat-anti-mouse and goat-anti-rabbit were conjugated with Alexa546 (Molecular Probes) at 1:200 dilution. Phase contrast enhancement applied. Fluorescent lamp exposure times as follows: RFP Channel, 0.075 sec; YFP Channel, 1.000 sec; DAPI Channel, 0.020 sec; Phase Channel: 0.300 sec. Microscope: Axiovert 200M inverted microscope (Zeiss) equipped with a PRIOR stage and a NEOFLUAR 100x/1.3 objective lens. Images were collected with a Hamamatsu C4742-95 CCD camera. Chroma Filtersets: TRITC, HQ545/30x – Q570LP – HQ620/60m; DAPI, D350/50x – E420LP – 400DCLP; YFP, Q151LP – HQ500/20x – HQ535/30m. Data courtesy of Seth Robertson, Boston College.



#### Application

Formalin-fixed and paraffin-embedded mouse skin tissue expression GFP reacted with GFP Tag Antibody (Cat.#AM1009a), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. -ve shows negative staining of the antibody in a wild type mouse, whereas +ve shows positive staining in a mouse expressing GFP under the LGR5 promoter. The staining shows localization of GFP at the bottom of the hair follicle. The antigen was retrieved in citrate pH 6 in water bath for 25 mins.

Application Notes

WB~~1:2,000 IF~~1:50~100 IHC~~1:50~100:

## Additional Information

<b>Form</b>	Liquid
<b>Storage Instructions</b>	For short-term storage, store at 4° C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Storage Buffer</b>	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified by protein G and Ni-NTA nickel affinity chromatography, followed by dialysis against PBS.
<b>Note</b>	The product is for research use only, not for use in diagnostic or therapeutic procedures.

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This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt