

# CERTIFICATE OF ANALYSIS

**Product Name:** Goat Anti-Mouse IgG Antibody(H+L), XFD488  
**Cat.No:** AF2107  
**Lot.No:** 94B5103  
**Production Date:** 05/06/2026  
**Expiry Date:** 05/06/2028  
**Storage Temperature:** Stored at 4°C

Parameter	Specification	Result
Immunogen	Mouse IgG	
Application	Western Blot (WB), Immunofluorescence (IF), Flow Cytometry (FCM)	
Dilution	Western Blot: 1:5,000~1:10,000 Immunofluorescence 1:1,000~1:2,000 Flow Cytometry: 1:1,000~1:2,000	
Format	Buffer System: Liquid in 10mM PBS containing 2mg/mL BSA and 0.05% sodium azide, pH 7.2	
Function test	Immunofluorescence Sample: HeLa cells The cells were fixed with 4% paraformaldehyde (10 minutes, permeabilized with 0.1% Triton X- 100 for 5 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 30 minutes. Primary antibody: Anti-Vimentin Mouse mAb at 1:100 dilution. Secondary antibody: AF2107 at 1:1,000 dilution. Nuclei were stained with DAPI.	The fluorescent secondary antibody AF2107 performed as expected. It produced strong and specific cytoplasmic filamentous green fluorescence with negligible background in HeLa cells stained with the anti-Vimentin mouse mAb. The staining pattern correctly localized to the intermediate filament network, confirming the secondary antibody's high specificity and sensitivity under the tested conditions (1:1,000 dilution).

Quality authorized by: *Esther Zhang*

**Issue date:** 05/07/2026

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