

CERTIFICATE OF ANALYSIS

Product Name: Goat Anti-Rabbit IgG Antibody(H+L), XFD555
Cat.No: AF2110
Lot.No: 97B5103
Production Date: 05/06/2026
Expiry Date: 05/06/2028
Storage Temperature: Stored at 4°C

Parameter	Specification	Result
Immunogen	Rabbit IgG	
Application	Western Blot , Immunofluorescence, Flow Cytometry	
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 30minutes Primary antibody: Anti-Smad1 Rabbit mAb at 1:100 dilution Secondary antibody: LF110 at 1:1,000 dilution Nuclei were stained with DAPI	The fluorescent secondary antibody, AF2110, performed as expected. It produced strong and specific cytoplasmic/nuclear-associated green fluorescence with negligible background in HeLa cells stained with the anti-Smad1 rabbit mAb. Smad1 is known to localize in the cytoplasm and translocate to the nucleus upon signaling; the observed staining pattern correctly reflects this expected distribution, confirming the secondary antibody's high specificity and sensitivity under the tested conditions

Quality authorized by: *Esther Zhang*

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YamayBio Inc.
 Address: 6191 Cornerstone Court, Suite 107, San Diego, CA 92121, USA
 Website: www.yamaybio.com
 Email: info@yamaybio.com