

Anti-LUCIFERASE (GOAT) Antibody Fluorescein Conjugated (BULK ORDER) - 200-102-150
Code: 200-102-150

Size: 20 mg

Product Description: Anti-LUCIFERASE (GOAT) Antibody Fluorescein Conjugated (BULK ORDER) - 200-102-150

Concentration: 10.0 mg/mL by UV absorbance at 280 nm

PhysicalState: Lyophilized

Label	Fluorescein (FITC)
Host	Goat
Emission Wavelength	528
Excitation Wavelength	495
Species Reactivity	Firefly
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Reconstitution Volume	2.0 mL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative	0.01% (w/v) Sodium Azide
Storage Condition	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Synonyms	goat anti-Luciferase Antibody FITC Conjugation, Fluorescein Conjugated goat anti-Luciferase Antibody
Application Note	Anti-Luciferase Conjugated Antibody is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms.
Background	Anti luciferase Antibody recognizes luciferase that is commonly used in biological research as a reporter to assess the transcriptional activity in cells that are transfected with a genetic construct containing the luciferase gene under the control of a promoter of interest. Luciferase can also be used to detect the level of cellular ATP in cell viability assays or for kinase activity assays. Additionally proluminescent molecules that are converted to luciferin upon activity of a particular enzyme can be used to detect enzyme activity in coupled or two-step luciferase assays. Such substrates have been used to detect caspase activity and cytochrome P450 activity, among others.
Purity And Specificity	This product is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Fluorescein, anti-Goat Serum and purified and partially purified Luciferase (Photinus pyralis (Firefly)).
Assay Dilutions	User Optimized
IF Microscopy	1:500 - 1:2,500
Flow Cytometry	User Optimized
Other Assays	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	Luciferase (Photinus pyralis (Firefly))
Specific Reference	S. H. Windahl, M. K. Lagerquist, N. Andersson, C. Jochems, A. Kallkopf, C. Håkansson, J. Inzunza, J.-Å. Gustafsson, P. T. van der Saag, H. Carlsten, K. Pettersson, and C. Ohlsson. (2007) Identification of Target Cells for the Genomic Effects of Estrogens in Bone. <i>Endocrinology</i> 148(12):5688–5695.
Related Products	

200-301-268

Anti-AKT pS473 (MOUSE) Monoclonal Antibody - 200-301-268

610-4302	Anti-MOUSE IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 610-4302
611-1302	Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302
B304	NORMAL GOAT SERUM (NGS) - B304

Disclaimer

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