

**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

<b>Label</b>	Fluorescein (FITC)
<b>Host</b>	Goat
<b>Emission Wavelength</b>	528
<b>Excitation Wavelength</b>	495
<b>Species Reactivity</b>	Firefly
<b>Buffer</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Reconstitution Volume</b>	2.0 mL
<b>Reconstitution Buffer</b>	Restore with deionized water (or equivalent)
<b>Stabilizer</b>	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
<b>Preservative</b>	0.01% (w/v) Sodium Azide
<b>Storage Condition</b>	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.
<b>Synonyms</b>	goat anti-Luciferase Antibody FITC Conjugation, Fluorescein Conjugated goat anti-Luciferase Antibody
<b>Application Note</b>	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.
<b>Background</b>	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.
<b>Purity And Specificity</b>	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)).
<b>Assay Dilutions</b>	User Optimized
<b>IF Microscopy</b>	1:500 - 1:2,500
<b>Flow Cytometry</b>	User Optimized
<b>Other Assays</b>	User Optimized
<b>Expiration</b>	Expiration date is one (1) year from date of opening.
<b>Immunogen</b>	Luciferase (Photinus pyralis (Firefly))
<b>Specific Reference</b>	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.
<b>Related Products</b>	

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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