

Luciferase Antibody FITC Conjugated

Catalog No: #C07546F

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Description

Product Name	Luciferase Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	ICC IF
Species Reactivity	Firefly
Crossing Reactivity	Photinus pyralis (Common eastern firefly)
Immunogen Description	KLH conjugated synthetic peptide derived from Firefly Luciferase
Conjugates	FITC
Target Name	Luciferase
Other Names	Luciferin 4-monooxygenase
Accession No.	NCBI Gene ID7100
Uniprot	O60602
GeneID	7100;
Excitation Emission	494nm 518nm
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

ICC=1:50-200 IF=1:50-200

Background

Luciferase from the firefly has become one of the more widely used reporter proteins for the study of gene expression. Luciferase catalyzes a bioluminescent reaction which requires the substrate luciferin as well as Mg²⁺ and ATP. Mixing these reagents with the cell extract containing luciferase, results in a flash of light that decays rapidly. This light can be detected by a luminometer. The total light emission is proportional to the luciferase activity of the sample.

Note: This product is for in vitro research use only