

Anti-Firefly Luciferase Antibody (8U71)

Product Details

Ig Type:	IgG1
Reactivity:	(predicted:Firefly)
Molecular Weight:	Theoretical: 61 kDa.
Clone:	8U71
Purification:	Protein G purified

Applications

Application:	ELISA,FCM,ICC/IF,IF,IHC-Fr,IHC-P,WB
Recommended	ELISA=1:1000-5000; FCM=1 µg/Test; ICC/IF=1:100-500; IF=1:200-1000; IHC-Fr=1:200-1000; IHC-P=1:200-1000; WB=1:500-5000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Luciferase comes from the North American firefly (Firefly)
Synonyms:	Luciferin 4 monooxygenase;EC 1.13.12.7;Firefly Luciferase Luciferase;Firefly
Biology Area:	Luciferase

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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