

Luciferase mouse Monoclonal Antibody(6B8)

Description

Product type	Primary Antibody
Code	BT-MCA0059
Host	Mouse
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Recombinant Protein of Luciferase of Luciferase
Mol wt	N/A
Species reactivity	Firefly
Clonality	Monoclonal
Recommended application	IF, ICC, WB,
Concentration	1 mg/ml
Full name	Luciferase
Synonyms	0

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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 Mg^{2+} 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.

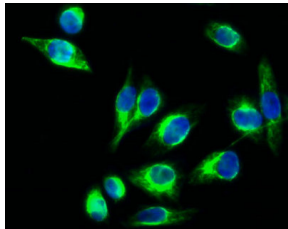
Recommended Dilution

IF: 1:50-200

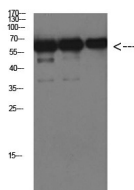
WB: 1:1000-2000

Not yet tested in other applications.

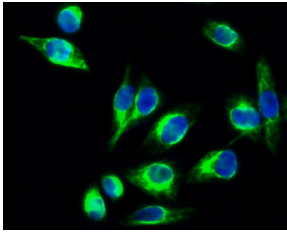
Images



Immunofluorescence analysis of HEK293T cells transfected with Luciferase. 1. Luciferase Mouse Monoclonal antibody(6B8)(green) was diluted at 1:200(4°C, overnight). 2. Dylight 488 labeled Secondary antibody was diluted at 1:300 room temperature, 30min. DAPI(blue) 10min.



Western Blot analysis of over-expressed Luciferase protein using antibody diluted at 1:1000



Immunofluorescence analysis of HepG2 cells, Antibody diluted at 1:50. The picture on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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