

Anti- GFP Tag Monoclonal Antibody (P18D01)

Catalog Number: MBSAbGFP018-100µg

Production Description:

Green fluorescent protein (GFP), 27 kDa monomeric protein, has been used widely as a reporter protein for gene expression or a fused tag for protein localization in eukaryotic and prokaryotic organisms.

Host/Isotype:

Mouse/IgG2b

Clonality:

Monoclonal antibody

Immunogen:

GST - Green Fluorescent Protein (GFP) fusion protein corresponding to the full-length amino acid sequence (jellyfish *Aequorea victoria*).

Clone Name:

AbGFP.P18D01

Conjugate:

unconjugated

Purification:

Affinity purified by Protein A

Form Supplied:

Liquid

Concentration:

1mg/ml

Storage buffer:

PBS, pH 7.4

Storage Conditions:

Store at 4°C short term. For long term storage, aliquot and store at -20°C or below, avoiding multiple freeze/thaw cycles.

Applications	Dilution
ELISA	0.1 – 0.5 µg/mL*
Flow cytometry	0.5 – 1 µg/mL*
Western Blot (WB)	0.2 – 1 µg/mL*

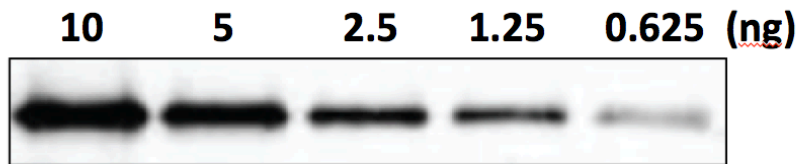
*Optimal dilutions/concentrations should be determined by the researcher.

For research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals.

<http://mobioscience.com/p/MBSAbGFP018>

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Anti-GFP Tag Antibody (MBSAbGFP018) in WB

Loading two-fold serial dilution of recombinant GFP from E. coli per well onto an SDS-PAGE gel performed western blot analysis. Proteins were transferred to a nitrocellulose membrane and blocked with 5% milk in TBST for 1 hour at room temperature. The membrane was probed with a anti-GFP Tag Antibody (Product # MBSAbGFP018) at a dilution of 1:5000 overnight at 4C, washed 3 times in TBST, and probed with an HRP-conjugated rabbit anti-mouse IgG secondary antibody at a dilution of 1:10,000 for 1 hour at room temperature. Detection was performed using a chemiluminescent substrate.