

## Basic Information

<b>Product Name</b>	Anti-GFP Tag Antibody (Clone#8C1)
<b>Source</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Species Reactivity</b>	All species
<b>Tested Application</b>	Dot blot, ELISA, WB
<b>Contents</b>	0.5mg/ml in PBS, pH7.4, containing 0.02% Sodium Azide and 50% glycerol.
<b>Immunogen</b>	This antibody is produced by immunizing animals with a synthetic GFP tag peptide corresponding to KLH.
<b>Concentration</b>	0.5mg/ml
<b>Dilution Ratios</b>	Western blot (WB):1:500-5000

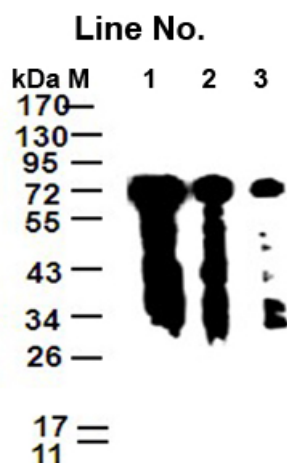
## Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

## Background Information

Green fluorescent protein is a 27 Kd protein, derived from the bioluminescent jellyfish *Aequorea Victoria*. When expressed in either eukaryotic or prokaryotic cells and illuminated by blue or UV light, GFP yields a bright green fluorescence. Fluorescent proteins and its mutated allelic forms, blue, cyan and yellow have become a useful and ubiquitous tool where they function as a fluorescent protein tag. Many recombinant proteins have been engineered with GFP tags to facilitate the detection, isolation and purification of the proteins.

## Selected Validation Data



Western blot analysis of different concentration of Anti-GFP (8C1)

Monoclonal Antibody

Antigen: Extracts from E.coli expressing GFP-tagged protein

Line No.

1: 1 ug/mL

2: 0.5 ug/mL

3: 0.1 ug/mL