

## Product datasheet for **AM05907PU-N**

### GFP Mouse Monoclonal Antibody [Clone ID: N/K]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	N/K
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/1000-1/2000. <b>Western blot:</b> 1/2000-1/5000. <b>Immunohistochemistry on Frozen Sections:</b> 1/500-1/1000. <b>Immunohistochemistry on Paraffin Sections:</b> 1/500-1/1000.
Reactivity:	GFP
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	GFP-BSA conjugate
Specificity:	This antibody recognises various forms of Green Fluorescent Protein including eGFP and those forms found in vectors supplied by Clontech and Invitrogen. The antibody <b>does not</b> cross react with RFP. Cross reactivity with YFP has not been tested.
Formulation:	Phosphate buffered saline State: Purified State: Liquid purified IgG fraction Stabilizer: BSA
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	<a href="#">P42212</a>



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**Background:**

Green fluorescence protein (GFP) is a 27 kDa protein derived from the jellyfish *Aequorea victoria*, which emits green light (emission peak at a wavelength of 509 nm) when excited by blue light (excitation peak at a wavelength of 395 nm). Green Fluorescent Protein (GFP) has become an invaluable tool in cell biology research, since its intrinsic fluorescence can be visualized in living cells. GFP fluorescence is stable under fixation conditions and suitable for a variety of applications. GFP has been widely used as a reporter for gene expression, enabling researchers to visualize and localize GFP-tagged proteins within living cells without the need for chemical staining. Other applications of GFP include assessment of protein-protein interactions through the yeast two hybrid system and measurement of distance between proteins through fluorescence energy transfer (FRET) protocols. GFP technology has considerably contributed to a greater understanding of cellular physiology.

**Synonyms:**

Green fluorescent protein, GFP-Tag