

GFP PicoKine ELISA Kit | GFP elisa kit

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CATALOG #
AAA46131

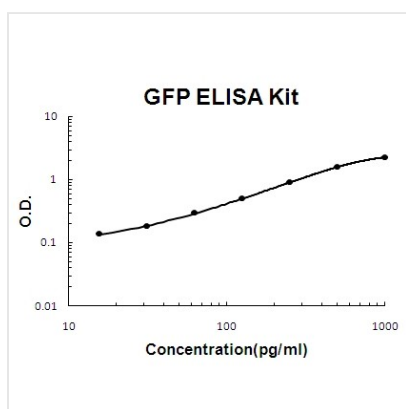
PRODUCT SYNONYMS

GFP PicoKine; GFP PicoKine ELISA Kit; Green fluorescent protein; GFP; yfp; GFP elisa kit

PRODUCT SPECIFICATIONS

Specificity	Natural and recombinant All Animals GFP
Sequence Length	238
Samples	Cell lysates and tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

GFP PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for GFP elisa kit	Principle of the Assay: All Animals GFP ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A specific for GFP has been precoated onto 96-well plates. Standards(Expression system for standard: E.coli; Immunogen sequence: S2-K238) and test samples are added to the wells, a biotinylated detection specific for GFP is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the All Animals GFP amount of sample captured in plate. Background: The green fluorescent protein (GFP) is a protein composed of 238 amino acid residues (26.9 kDa) that exhibits bright green fluorescence when exposed to light in the blue to ultraviolet range. Although many other marine organisms have similar green fluorescent proteins, GFP traditionally refers to the protein first isolated from the jellyfish Aequorea victoria. In cell and molecular biology, the GFP gene is frequently used as a reporter of expression. In modified forms it has been used to make biosensors, and many animals have been created that express GFP as a proof-of-concept that a gene can be expressed throughout a given organism. The GFP gene can be introduced into organisms and maintained in their genome through breeding, injection with a viral vector, or cell transformation. To date, the GFP gene has been introduced and expressed in many Bacteria, Yeast and other Fungi, fish (such as zebrafish), plant, fly, and mammalian cells, including human.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1169893
UniProt Accession #	P42212; Q17104; Q27903; Q93125
Molecular Weight	26,886 Da
NCBI Official Full Name	Green fluorescent protein
UniProt Protein Name	Green fluorescent protein
UniProt Gene Name	GFP
UniProt Entry Name	GFP_AEQVI

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/elisa-kits/gfp-picokine/46131>