

GFP ELISA Kit

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CATALOG #
AAA44577

PRODUCT SYNONYMS

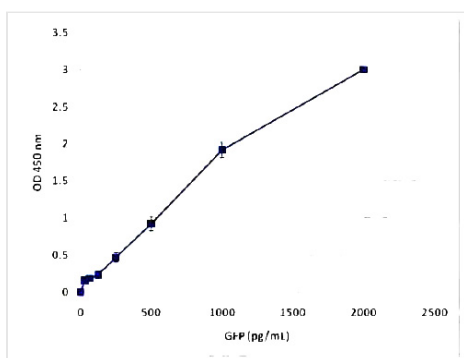
GFP; GFP ELISA Kit; GFP elisa kit

PRODUCT SPECIFICATIONS

Preparation and Storage

Upon receipt, aliquot and store recombinant GFP Standard at -80 degree C and avoid freeze/thaw. Store all other components at 4 degree C until their expiration dates.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GFP elisa kit

Background: Green fluorescent protein (GFP) is a spontaneously fluorescent protein isolated from the pacific jellyfish, *Aequorea victoria*. It transduces the blue chemiluminescence into green fluorescent light. Since the molecular cloning of GFP cDNA and demonstration of GFP as a functional transgene, GFP has become a powerful tool with exciting applications in developmental, cell and molecular biology. GFP fluorescence is not species specific and can be expressed in bacteria, yeast, plant and mammalian cells. GFP can fuse with proteins of interest without interfering significantly with their assembly and function. Based on the structure of the GFP molecule, many GFP variants have been created with much improved fluorescence emission, or shifted excitation or emission spectra that are well suited for fluorescence microscopy and flow cytometry. Although GFP expression can be easily detected under a fluorescence microscope, GFP fluorescence intensity varies from cell to cell because of the heterogeneity nature of GFP expression. In order to quantitate the GFP expression in cells, FACS analysis is usually required, which is both expensive and time consuming. GFP ELISA Kit is an enzyme immunoassay developed for detection and quantitation of GFP or GFP fusion protein in cell or tissue samples. The quantity of GFP or its variants (including BFP, CFP and YFP) in an unknown sample is determined by comparing its absorbance with that of a known recombinant GFP standard curve. The kit has detection sensitivity limit of 30 pg/mL GFP. The kit also provides an efficient system for rapid quantitation of GFP lentivirus titer for both viral supernatant and purified virus. Each kit provides sufficient reagents to perform up to 96 assays including standard curve and GFP samples.

Product Categories/Family for GFP elisa kit

Cell Signaling and Protein Biology; Reporter Assays; Cells and Reagents; Reporter Assays; GFP Quantitation Assays

References

1. Chalfie M. et al, Science 263: 802-805, 1994.
2. Cormack B.P. et al, Gene 173: 33-38, 1996.
3. Rizzuto R. et al, Curr.Biol. 6:183-188 1996.
1. Vemula, S. V. et al. (2015). HIV-1 induced Nuclear Factor IB (NF-IB) expression negatively regulates HIV-1 replication through interaction with the long terminal repeat region. Viruses. 7:543-558.
2. Zhang, Y. et al. (2015). Characterization of the promoter of grapevine vein clearing virus. J Gen Virol. 96:165-169.
3. Mango, R. et al. (2014). C-C Chemokine Receptor 5 on pulmonary mesenchymal cells promotes experimental metastasis via the induction of erythroid differentiation regulator 1. Mol. Cancer. Res. 12:274-282.
4. Mitchell, A. et al. (2014). Promyelocytic leukemia protein is a cell-intrinsic factor inhibiting parvovirus DNA replication. J. Virol. 88:925-936.
5. Coghill, J.M. et al. (2013). CC chemokine Receptor 8 potentiates donor treg survival and is critical for the prevention of murine graft-versus-host disease. Blood. 122:825-836.
6. Pedersen, J. et al. (2012). Glucose metabolism is altered after loss of L cells and alpha-cells but not influenced by loss of K cells. Am J Physiol Endocrinol Metab. 304:E60-E73.
7. Zhou, W. et al. (2012). Inducible podocyte injury and proteinuria in transgenic Zebrafish. J. Am. Soc. Nephrol. 23:1039-1047.
8. Fonseca, J.P. et al. (2012). In vivo polycomb kinetics and mitotic chromatin binding distinguish stem cells from differentiated cells. Genes and Dev. 26:857-871.
9. Rajan, S. et al. (2010). In vitro processing and secretion of mutant insulin proteins that cause permanent neonatal diabetes. Am. J. Physiol. Endocrinol. Metab. 298:E403-E410.
10. Glenn, S.T. et al. (2008). In vivo analysis of key elements within the renin regulatory region. Physiol. Genomics 35:243-253.

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/44577>