

N6-Methyladenosine (m6A) ELISA Kit | m6A elisa kit

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CATALOG #
AAA44669

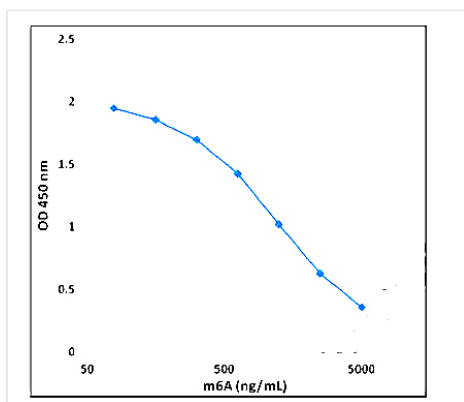
PRODUCT SYNONYMS

N6-Methyladenosine (m6A); N6-Methyladenosine (m6A) ELISA Kit; m6A elisa kit

PRODUCT SPECIFICATIONS

Specificity	The LumiAb Rat VEGF ELISA is capable of recognizing both recombinant and naturally produced Rat VEGF proteins. The antigens listed below were tested at 50 ng/ml and exhibited 100% cross reactivity.
Assay Type	Quantitative Sandwich
Sensitivity	8 pg/ml.
Preparation and Storage	Upon receipt, aliquot and store the m6A Standard at -20 degree C and the m6A Conjugate (100X) at -80 degree C to avoid multiple freeze/thaw cycles. Store all other components at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for m6A elisa kit	Principle of the Assay: The LumiAb Rat VEGF Chemiluminescent ELISA Kit contains the components necessary for quantitative determination of natural or recombinant Rat VEGF concentrations within any experimental sample including cell lysates, serum and plasma. This particular immunoassay utilizes the quantitative technique of a "Sandwich" Enzyme-Linked Immunosorbent Assay (ELISA) where the target protein (antigen) is bound in a "sandwich" format by the primary capture antibodies coated to each well-bottom and the secondary detection antibodies added subsequently by the investigator. The capture antibodies coated to the bottom of each well are specific for a particular epitope on Rat VEGF while the user-added detection antibodies bind to epitopes on the captured target protein. Amid each step of the procedure, a series of wash steps must be performed to ensure the elimination of non-specific binding between proteins to other proteins or to the solid phase. After incubation and "sandwiching" of the target antigen, a peroxidase enzyme is conjugated to the constant heavy chain of the secondary antibody (either covalently or via Avidin/Streptavidin-Biotin interactions), allowing for a sensitive luminescent reaction to ensue upon substrate addition. When the Peroxide Enhancer solution is added, the reaction catalyzed by peroxidase yields light that is representative of the antigen concentration. After a brief incubation, the microplate can be read with a luminometer, allowing for generation of a standard curve and subsequent determination of protein concentration!!Background/Introduction: Rat VEGF or Vascular Endothelial Growth Factor, also known as Vascular Permeability Factor, is a 214 amino acid cytokine protein encoded by the Vegfa gene located at locus 9q12 on chromosome 9. After initial synthesis and translocation, the 26 residue signal sequence is cleaved from the N-terminal end, allowing for proper folding and maturation of the VEGF peptide. VEGF, a homodimeric member of the PDGF/VEGF growth factor family, is a growth factor active in angiogenesis, vasculogenesis and endothelial cell growth. It also has a major role in inducing endothelial cell proliferation, promoting cell migration, inhibiting apoptosis and inducing permeabilization of blood vessels. Through binding to the FLT1/VEGFR1 and KDR/VEGFR2 receptors, heparin sulfate and heparin, VEGF may play a role in increasing vascular permeability during lactation, when increased transport of molecules from the blood is required for efficient milk protein synthesis. There are several isoforms of VEGF that are produced. VEGF-A120 is acidic and freely secreted. VEGF-A164 is more basic, has heparin-binding properties and, although a significant proportion remains cell-associated, most is freely secreted. VEGF-A188 is very basic; it is cell-associated after secretion and is bound avidly by heparin and the extracellular matrix, although it may be released as a soluble form by heparin, heparinase or plasmin. The cytokine is expressed in the pituitary, in brain, in particularly in supraoptic and paraventricular nuclei and the choroid plexus. VEGF is also found abundantly in the corpus luteum of the ovary, in kidney glomeruli, in the ductal epithelial cells of post-pubertal mammary glands, and in ductal and alveolar epithelial cells.
Product Categories/Family for m6A elisa kit	Metabolism Research ; Nucleic Acid Metabolism

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/n6-methyladenosine-m6a/44669>