Human Homeobox Protein NANOG (NANOG) ELISA Kit | NANOG elisa kit

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CATALOG #	REACTIVITY
AAA331546	**Human**

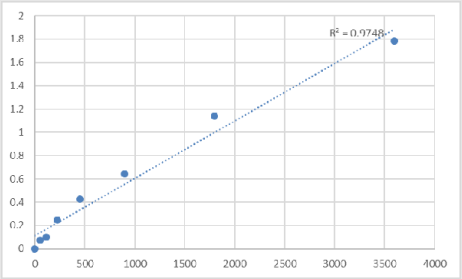
PRODUCT SYNONYMS

Homeobox Protein NANOG (NANOG); Human Homeobox Protein NANOG (NANOG) ELISA Kit; NANOG; homeobox transcription factor Nanog; homeobox transcription factor Nanog-delta 48; NANOG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Homeobox protein NANOG (NANOG) ELISA Kit has high sensitivity and excellent specificity for detection of Human NANOG. No significant cross-reactivity or interference between Human NANOG and analogues was observed.
Sequence Length	305
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)
Fig.1. Human Homeobox protein NANOG (NANOG) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for NANOG elisa kit	Description: This Human Homeobox protein NANOG (NANOG) ELISA Kit employs a two-site sandwich ELISA to quantitate NANOG in samples. An antibody specific for NANOG has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any NANOG present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for NANOG is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of NANOG bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Homeobox protein NANOG encoded by NANOG is a DNA binding homeobox transcription factor involved in embryonic stem (ES) cell proliferation, renewal, and pluripotency. The encoded protein can block ES cell differentiation and can also autorepress its own expression in differentiating cells. Two transcript variants encoding different isoforms have been found for NANOG.

NCBI AND UNIPROT INFORMATION

NCBI GI #	118573073
NCBI GeneID	79923
UniProt Accession #	Q9H9S0
NCBI Official Full Name	Homeobox protein NANOG
NCBI Official Synonym Full Names	Nanog homeobox
NCBI Official Symbol	NANOG
NCBI Protein Information	homeobox protein NANOG
UniProt Protein Name	Homeobox protein NANOG
UniProt Gene Name	**NANOG**
UniProt Synonym Gene Names	hNanog
UniProt Entry Name	NANOG_HUMAN

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://www.aaabiotech.com/human-elisa-kits/homeobox-protein-nanog-nanog/331546