

Human Histone H3.3 (H3F3A) ELISA Kit | H3F3A elisa kit

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CATALOG #
AAA245792

REACTIVITY
Human

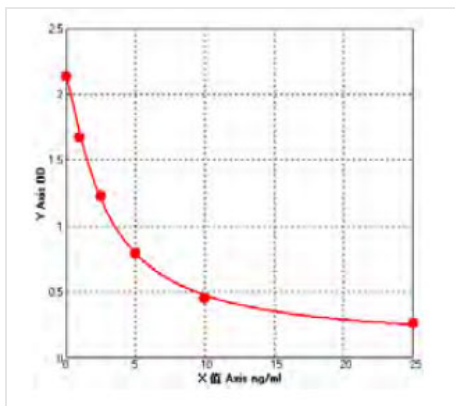
PRODUCT SYNONYMS

Histone H3.3 (H3F3A); Human Histone H3.3 (H3F3A) ELISA Kit; H3F3A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of H3F3A. No significant cross-reactivity or interference between H3F3A and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between H3F3A and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for H3F3A elisa kit	Intended Uses: This H3F3A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human H3F3A. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: H3F3A ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-H3F3A antibody and an H3F3A-HRP conjugate. The assay sample and buffer are incubated together with H3F3A-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the H3F3A concentration since H3F3A from samples and H3F3A-HRP conjugate compete for the anti-H3F3A antibody binding site. Since the number of sites is limited, as more sites are occupied by H3F3A from the sample, fewer sites are left to bind H3F3A-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The H3F3A concentration in each sample is interpolated from this standard curve.
Product Categories/Family for H3F3A elisa kit	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504279
NCBI GeneID	3020
NCBI Accession #	NP_002098.1
NCBI GenBank Nucleotide #	NM_002107.4
Molecular Weight	15,328 Da
NCBI Official Full Name	histone H3.3
NCBI Official Synonym Full Names	H3 histone, family 3A
NCBI Official Symbol	H3F3A
NCBI Official Synonym Symbols	H3F3; H3.3A
NCBI Protein Information	histone H3.3
UniProt Protein Name	Histone H3.3
UniProt Gene Name	H3F3A
UniProt Synonym Gene Names	H3.3A; H3F3; PP781 H3F3B ; H3.3B
UniProt Entry Name	H33_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.