

Mouse wingless-type MMTV integration site family, member 5A ELISA Kit | WNT5A elisa kit

Mouse Protein Wnt-5a, WNT5A ELISA Kit

CATALOG #
AAA112824

REACTIVITY
Mouse

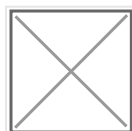
PRODUCT SYNONYMS

wingless-type MMTV integration site family; member 5A; Mouse Protein Wnt-5a; WNT5A ELISA Kit; Mouse Protein Wnt-5a (WNT5A) ELISA kit; hWNT5A; WNT-5A protein; WNT5A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of mouse WNT5A. No significant cross-reactivity or interference between mouse WNT5A and analogues was observed.
Sequence Length	360
Samples	Serum, plasma, cell culture supernates, tissue homogenates
Assay Type	Sandwich
Detection Range	3.12 pg/ml -200 pg/ml.
Sensitivity	The minimum detectable dose of mouse WNT5A is typically less than 0.78 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for WNT5A elisa kit

Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for WNT5A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any WNT5A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for WNT5A is added to the wells. After washing, avidin 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 WNT5A bound in the initial step. The color development is stopped and the intensity of the color is measured.

References	Ah Receptor Activation by Dioxin Disrupts Activin, BMP, and WNT Signals During the Early Differentiation of Mouse Embryonic Stem Cells and Inhibits Cardiomyocyte Functions . Qin Wang, Hisaka Kurita, Vinicius Carreira, Chia-I Ko, Yunxia Fan, Xiang Zhang, Jacek Biesiada, Mario Medvedovic and Alvaro Puga (2015)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	371940979
NCBI GeneID	22418
NCBI Accession #	NP_001243153.1
NCBI GenBank Nucleotide #	NM_001256224.1
UniProt Accession #	P22725; Q8BM17; Q8BMF9; Q8VCV6
Molecular Weight	42,309 Da
NCBI Official Full Name	protein Wnt-5a isoform 2
NCBI Official Synonym Full Names	wingless-type MMTV integration site family, member 5A
NCBI Official Symbol	Wnt5a
NCBI Official Synonym Symbols	Wnt-5a; 8030457G12Rik
NCBI Protein Information	protein Wnt-5a; wingless-related MMTV integration site 5A
UniProt Protein Name	Protein Wnt-5a
UniProt Gene Name	Wnt5a
UniProt Synonym Gene Names	Wnt-5a
UniProt Entry Name	WNT5A_MOUSE

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/wnt5a-mouse-elisa-kits/wingless-type-mmtv-integration-site-family-member-5a/112824>