Human Myeloid/lymphoid or mixed lineage leukemia 4 ELISA Kit | MLL4 elisa kit

Human Myeloid/lymphoid or mixed lineage leukemia 4 ELISA Kit

CATALOG #	REACTIVITY
AAA95706	**Human**

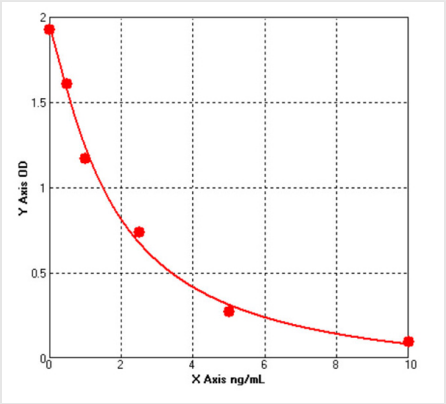
PRODUCT SYNONYMS

Myeloid/lymphoid or mixed lineage leukemia 4; Human Myeloid/lymphoid or mixed lineage leukemia 4 ELISA Kit; MLL4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MLL4. No significant cross-reactivity or interference between MLL4 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MLL4 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
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 MLL4 elisa kit	Principle of the Assay: MLL4 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-MLL4 antibody and an MLL4-HRP conjugate. The assay sample and buffer are incubated together with MLL4-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 MLL4 concentration since MLL4 from samples and MLL4-HRP conjugate compete for the anti-MLL4 antibody binding site. Since the number of sites is limited, as more sites are occupied by MLL4 from the sample, fewer sites are left to bind MLL4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MLL4 concentration in each sample is interpolated from this standard curve. Intended Uses: This MLL4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human MLL4. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for MLL4 elisa kit	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	119567871
NCBI GeneID	4301
Molecular Weight	207,788 Da
NCBI Official Full Name	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 4, isoform CRA_g
NCBI Official Synonym Full Names	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 4
NCBI Official Symbol	MLLT4
NCBI Official Synonym Symbols	AF6
NCBI Protein Information	afadin; protein AF-6; ALL1-fused gene from chromosome 6 protein
UniProt Protein Name	Afadin
UniProt Gene Name	**MLLT4**
UniProt Synonym Gene Names	AF6; Protein AF-6
UniProt Entry Name	AFAD_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://stage.aaabiotech.com/mll4-human-elisa-kits/myeloid-lymphoid-or-mixed-lineage-leukemia-4/95706