

Human Runt-related transcription factor 2 ELISA Kit | RUNX2 elisa kit

Human Runt-related transcription factor 2 ELISA Kit

CATALOG #
AAA102547

REACTIVITY
Human

PRODUCT SYNONYMS

Runt-related transcription factor 2; Human Runt-related transcription factor 2 ELISA Kit; RUNX2/CBFA1/Acute myeloid leukemia 3 protein/AML3CCD/Core-binding factor subunit alpha-1/PEA2-alpha A/PEBP2A/PEBP2A1CCD1/PEBP2aA1/PEBP2-alpha A/runt domain; alpha subunit 1/runt-related transcription factor 2/SL3; AKV core-binding factor alpha A subunit/SL3-3 enhancer factor 1 alpha A subunit; RUNX2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of RUNX2. No significant cross-reactivity or interference between RUNX2 and analogues was observed.
Sequence Length	521
Assay Type	Sandwich ELISA, Double Antibody
Samples	cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level RUNX2 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level RUNX2 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard run of a RUNX2 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.312	0.625	1.25	2.5	5	10	20
Y	OD450	0.026	0.138	0.227	0.357	0.756	1.543	2.368	3.444

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RUNX2 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-RUNX2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- RUNX2 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the RUNX2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of RUNX2 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	226442783
NCBI GeneID	860
NCBI Accession #	NP_001019801.3
NCBI GenBank Nucleotide #	NM_001024630.3
Molecular Weight	54,249 Da
NCBI Official Full Name	runt-related transcription factor 2 isoform a
NCBI Official Synonym Full Names	runt related transcription factor 2
NCBI Official Symbol	RUNX2
NCBI Official Synonym Symbols	CCD; AML3; CCD1; CLCD; OSF2; CBFA1; OSF-2; PEA2aA; PEBP2aA; CBF-alpha-1
NCBI Protein Information	runt-related transcription factor 2
UniProt Protein Name	Runt-related transcription factor 2
UniProt Gene Name	RUNX2
UniProt Synonym Gene Names	AML3; CBFA1; OSF2; PEBP2A; CBF-alpha-1; OSF-2; PEA2-alpha A; PEBP2-alpha A
UniProt Entry Name	RUNX2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/runx2-human-elisa-kits/runt-related-transcription-factor-2/102547>