

Mouse Runt Related Transcription Factor 2 (RUNX2) ELISA Kit | RUNX2 elisa kit

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CATALOG # AAA137166	REACTIVITY Mouse
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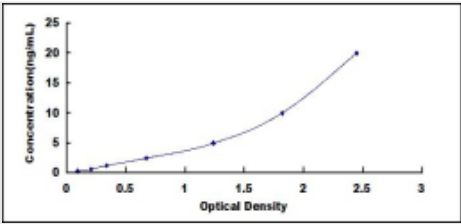
PRODUCT SYNONYMS

Runt Related Transcription Factor 2 (RUNX2); Mouse Runt Related Transcription Factor 2 (RUNX2) ELISA Kit; AML3; CBFA1; CCD1; OSF2; PEBP2A; Acute myeloid leukemia 3 ; Core-binding factor alpha-1; Osteoblast-specific transcription factor 2; Polyomavirus enhancer-binding protein 2 A; RUNX2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Runt Related Transcription Factor 2 (RUNX2). No significant cross-reactivity or interference between Runt Related Transcription Factor 2 (RUNX2) and analogues was observed.
Sequence Length	515
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.113ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Runt Related Transcription Factor 2 (RUNX2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Runt Related Transcription Factor 2 (RUNX2) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RUNX2 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Runt Related Transcription Factor 2 (RUNX2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Runt Related Transcription Factor 2 (RUNX2). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Runt Related Transcription Factor 2 (RUNX2), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Runt Related Transcription Factor 2 (RUNX2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for RUNX2 elisa kit	Signal transduction; Metabolic pathway; Bone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	511094004
NCBI GeneID	367218
NCBI Accession #	NP_001265413.1
NCBI GenBank Nucleotide #	NM_001278484.2
UniProt Accession #	Q9Z2J9; Q99NC7
Molecular Weight	24,247 Da
NCBI Official Full Name	runt-related transcription factor 2 isoform 2
NCBI Official Synonym Full Names	runt-related transcription factor 2
NCBI Official Symbol	Runx2
NCBI Official Synonym Symbols	Cbfa1; OSF-2
NCBI Protein Information	runt-related transcription factor 2
UniProt Protein Name	Runt-related transcription factor 2
UniProt Gene Name	Runx2
UniProt Synonym Gene Names	Cbfa1; Osf2; CBF-alpha-1; OSF-2
UniProt Entry Name	RUNX2_RAT

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.