

Rat Periostin ELISA Kit | POSTN/OSF-2 elisa kit

Rat Periostin ELISA Kit

CATALOG #
AAA102542

REACTIVITY
Rat

PRODUCT SYNONYMS

Periostin; Rat Periostin ELISA Kit; POSTN/OSF-2/Fascin I-like/OSF-2/POSTN/TRIF52/Fascin I-like/MGC119510/MGC119511/OSF-2/OSF-2osteoblast specific factor 2 (fascin I-like)/OSF2periodontal ligament-specific periostin/Osteoblast-specific factor 2/PDLPOSTN/periostin/periostin isoform thy2/periostin isoform thy4/periostin isoform thy6/periostin isoform thy8/periostin; osteoblast specific factor/PNRP11-412K4.1/POSTN/TRIF52; POSTN/OSF-2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Podxl. No significant cross-reactivity or interference between Podxl and analogues was observed.
Sequence Length	836
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	125-8000pg/ml
Sensitivity	75pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Podxl 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 Podxl 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 POSTN/OSF-2 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	pg/ml	0	125	250	500	1000	2000	4000	8000
Y	OD450	0.012	0.179	0.311	0.477	0.865	1.211	1.79	2.362

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for POSTN/OSF-2 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Podxl antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Podxl antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed 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 Podxl amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Podxl can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	209862907
NCBI GeneID	10631
NCBI Accession #	NP_006466.2
NCBI GenBank Nucleotide #	NM_006475.2
Molecular Weight	80,357 Da
NCBI Official Full Name	periostin isoform 1
NCBI Official Synonym Full Names	periostin, osteoblast specific factor
NCBI Official Symbol	POSTN
NCBI Official Synonym Symbols	PN; OSF2; OSF-2; PDLPOSTN
NCBI Protein Information	periostin
UniProt Protein Name	Periostin
UniProt Gene Name	POSTN
UniProt Synonym Gene Names	OSF2; PN; OSF-2
UniProt Entry Name	POSTN_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://www.aaabiotech.com/postn-osf-2-rat-elisa-kits/periostin/102542>