

Canine POU domain, class 5, transcription factor 1 (POU5F1) ELISA Kit | POU5F1 elisa kit

Canine POU domain, class 5, transcription factor 1 (POU5F1) ELISA Kit

CATALOG #
AAA244660

REACTIVITY
Canine

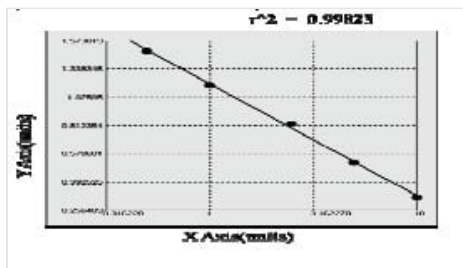
PRODUCT SYNONYMS

POU domain; class 5; transcription factor 1 (POU5F1); Canine POU domain; transcription factor 1 (POU5F1) ELISA Kit; POU5F1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This POU5F1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine POU5F1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for POU5F1 elisa kit

Principle of the Assay: POU5F1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-POU5F1 antibody and an POU5F1-HRP conjugate. The assay sample and buffer are incubated together with POU5F1-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 POU5F1 concentration since POU5F1 from samples and POU5F1-HRP conjugate compete for the anti-POU5F1 antibody binding site. Since the number of sites is limited, as more sites are occupied by POU5F1 from the sample, fewer sites are left to bind POU5F1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The POU5F1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for POU5F1 elisa kit

[Epigenetics and Nuclear Signaling](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	42560248
NCBI GeneID	5460
NCBI Accession #	NP_002692.2
NCBI GenBank Nucleotide #	NM_002701.5
Molecular Weight	30,085 Da
NCBI Official Full Name	POU domain, class 5, transcription factor 1 isoform 1
NCBI Official Synonym Full Names	POU class 5 homeobox 1
NCBI Official Symbol	POU5F1
NCBI Official Synonym Symbols	OCT3; OCT4; OTF3; OTF4; OTF-3; Oct-3; Oct-4
NCBI Protein Information	POU domain, class 5, transcription factor 1; octamer-binding protein 3; octamer-binding protein 4; POU domain transcription factor OCT4; octamer-binding transcription factor 3; POU-type homeodomain-containing DNA-binding protein
UniProt Protein Name	POU domain, class 5, transcription factor 1
UniProt Gene Name	POU5F1
UniProt Synonym Gene Names	OCT3; OCT4; OTF3; Oct-3; Oct-4; OTF-3
UniProt Entry Name	PO5F1_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/canine-elisa-kits/pou-domain-class-5-transcription-factor-1-pou5f1/244660>