

Human Oligodendrocyte Lineage Transcription Factor 2 (OLIG2) ELISA Kit | OLIG2 elisa kit

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CATALOG #
AAA185879

REACTIVITY
Human

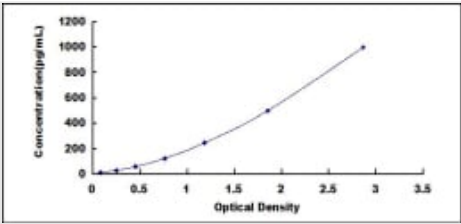
PRODUCT SYNONYMS

Oligodendrocyte Lineage Transcription Factor 2 (OLIG2); Human Oligodendrocyte Lineage Transcription Factor 2 (OLIG2) ELISA Kit; BHLHB1; OLIGO2; PRKCBP2; RACK17; Basic Domain; Helix-Loop-Helix Protein; Class B 1; Class B basic helix-loop-helix protein 1; Class E basic helix-loop-helix protein 19; OLIG2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Oligodendrocyte Lineage Transcription Factor 2 (OLIG2). No significant cross-reactivity or interference between Oligodendrocyte Lineage Transcription Factor 2 (OLIG2) and analogues was observed.
Sequence Length	323
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	15.62-1000pg/mL
Sensitivity	< 5.7pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Oligodendrocyte Lineage Transcription Factor 2 (OLIG2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Oligodendrocyte Lineage Transcription Factor 2 (OLIG2) 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 OLIG2 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 Oligodendrocyte Lineage Transcription Factor 2 (OLIG2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Oligodendrocyte Lineage Transcription Factor 2 (OLIG2). 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 Oligodendrocyte Lineage Transcription Factor 2 (OLIG2), 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 Oligodendrocyte Lineage Transcription Factor 2 (OLIG2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	17978475
NCBI GeneID	10215
NCBI Accession #	NP_005797.1
NCBI GenBank Nucleotide #	NM_005806.3
UniProt Accession #	Q13516; Q05BP9; Q49AL3; Q86X04; Q9NZ14; B3KRF3
Molecular Weight	32,385 Da
NCBI Official Full Name	oligodendrocyte transcription factor 2
NCBI Official Synonym Full Names	oligodendrocyte transcription factor 2
NCBI Official Symbol	OLIG2
NCBI Official Synonym Symbols	BHLHB1; OLIGO2; RACK17; PRKCBP2; bHLHe19
NCBI Protein Information	oligodendrocyte transcription factor 2
UniProt Protein Name	Oligodendrocyte transcription factor 2
UniProt Gene Name	OLIG2
UniProt Synonym Gene Names	BHLHB1; BHLHE19; PRKCBP2; RACK17; Oligo2; bHLHb1; bHLHe19

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/human-elisa-kits/oligodendrocyte-lineage-transcription-factor-2-olig2/185879>