Mouse Parkinson disease 2/parkin ELISA Kit | Park2 elisa kit

Mouse Parkinson disease 2/parkin ELISA Kit

CATALOG #	REACTIVITY
AAA16164	**Mouse**

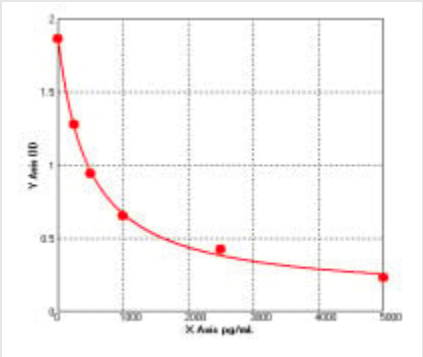
PRODUCT SYNONYMS

Parkinson disease 2/parkin; Mouse Parkinson disease 2/parkin ELISA Kit; Parkinson disease 2/parkin (Mouse); Park2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of PARK2. No significant cross-reactivity or interference between PARK2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PARK2 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Park2 elisa kit	Principle of the Assay: PARK2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PARK2 antibody and an PARK2-HRP conjugate. The assay sample and buffer are incubated together with PARK2-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 PARK2 concentration since PARK2 from samples and PARK2-HRP conjugate compete for the anti-PARK2 antibody binding site. Since the number of sites is limited, as more sites are occupied by PARK2 from the sample, fewer sites are left to bind PARK2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PARK2 concentration in each sample is interpolated from this standard curve. Intended Uses: This PARK2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse PARK2. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for Park2 elisa kit	Mouse ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	18314633
NCBI GeneID	5071
UniProt Accession #	O60260; Q5TFV8; Q6Q2I6; Q8NI41; Q8NI43; Q8NI44; Q8WW07; A3FG77; A8K975; Q5VVX1; Q5VVX3; Q5VVX4; Q5XNR7; Q5XNR8; Q6Q2I7; Q6Q2I8; Q6S8G7; Q8NI42
Molecular Weight	51,641 Da
NCBI Official Full Name	PARK2 protein
NCBI Official Synonym Full Names	parkinson protein 2, E3 ubiquitin protein ligase (parkin)
NCBI Official Symbol	PARK2
NCBI Official Synonym Symbols	PDJ; PRKN; AR-JP; LPRS2
NCBI Protein Information	E3 ubiquitin-protein ligase parkin; parkin 2; OTTHUMP00000017562; OTTHUMP00000017563; OTTHUMP00000017564; OTTHUMP00000017565; OTTHUMP00000017566; OTTHUMP00000017567; E3 ubiquitin ligase; parkinson disease protein 2; parkinson juvenile disease protein 2; Parkinson disease (autosomal recessive, juvenile) 2, parkin
UniProt Protein Name	E3 ubiquitin-protein ligase parkin
UniProt Gene Name	**PARK2**
UniProt Synonym Gene Names	PRKN
UniProt Entry Name	PRKN2_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://stage.aaabiotech.com/park2-mouse-elisa-kits/parkinson-disease-2-parkin/16164