

Porcine Doublecortin ELISA Kit | DCX elisa kit

Porcine Doublecortin ELISA Kit

CATALOG #
AAA88159

REACTIVITY
Porcine

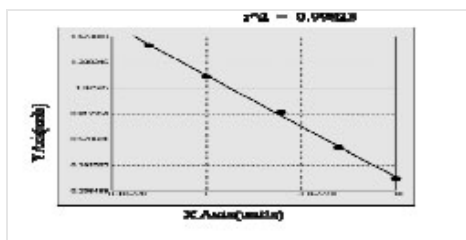
PRODUCT SYNONYMS

Doublecortin; Porcine Doublecortin ELISA Kit; DCX elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DCX elisa kit

Intended Uses: This DCX ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine DCX. This ELISA kit for research use only!

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

Product Categories/Family for DCX elisa kit

Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	3114810
NCBI GeneID	1641
UniProt Accession #	O43602; O43911; Q5JYZ5; A6NFY6; A9Z1V8; D3DUY8; D3DUY9; D3DUZ0
Molecular Weight	40,215 Da
NCBI Official Full Name	doublecortin
NCBI Official Synonym Full Names	doublecortin
NCBI Official Symbol	DCX
NCBI Official Synonym Symbols	DC; DBCN; LISX; SCLH; XLIS
NCBI Protein Information	neuronal migration protein doublecortin; lis-X; doublin; doublecortex; lissencephalin-X
UniProt Protein Name	Neuronal migration protein doublecortin
UniProt Gene Name	DCX
UniProt Synonym Gene Names	DBCN; LISX; Lis-X
UniProt Entry Name	DCX_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/dcx-porcine-elisa-kits/doublecortin/88159>