Soluble Cluster of Differentiation 80 (SCD80) ELISA Kit for Goose

PRODUCT OVERVIEW

Product Name	Soluble Cluster of Differentiation 80 (SCD80), ELISA Kit
Full Product Name	Goose Soluble Cluster of Differentiation 80 ELISA Kit
Product Gene Name	SCD80 elisa kit
Species Reactivity	Goose
Assay Type	Sandwich
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	33,054 Da
3D Structure	ModBase 3D Structure for O35526
Related Product Information for SCD80 elisa kit	MBS008076 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Soluble Cluster of Differentiation 80 (SCD80) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing SCD80. The ELISA analytical biochemical technique of the MBS008076 kit is based on SCD80 antibody-SCD80 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect SCD80 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, SCD80. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of SCD80 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SCD80. It may not necessarily be applicable to this product.

NCBI GI #	15011853
NCBI GeneID	20907
NCBI Accession #	NP_058081.2
UniProt Primary Accession #	O35526
UniProt Related Accession #	O35526
GenBank Nucleotide #	NM_016801.3
NCBI Official Full Name	syntaxin-1A
NCBI Official Synonym Full Names	syntaxin 1A (brain)
NCBI Official Symbol	Stx1a
NCBI Official Synonym Symbols	HPC-1
UniProt Protein Name	Syntaxin-1A
UniProt Synonym Protein Names	Neuron-specific antigen HPC-1
UniProt Gene Name	Stx1a
UniProt Entry Name	STX1A_MOUSE

NCBI Protein Information	syntaxin-1A; syntaxin 1 a; neuron-specific antigen HPC-1
UniProt Comments for SCD80	STX1A: a type IV membrane protein involved in docking of synaptic vesicles at presynaptic active zones. May play a critical role in neurotransmitter exocytosis. Part of the SNARE core complex containing SNAP25, VAMP2 and STX1A. Three splice variant isoforms have been described. Protein type: Vesicle; Membrane protein, integral Cellular Component: neuron projection; protein complex; synaptic vesicle membrane; cell; integral to membrane; endomembrane system; actomyosin; intracellular organelle; secretory granule; SNARE complex; synaptic vesicle; membrane; plasma membrane; synapse; intracellular; cytoplasmic vesicle; cell junction Molecular Function: protein binding, bridging; SNAP receptor activity; protein domain specific binding; myosin binding; protein N-terminus binding; calcium-dependent protein binding; ATP-dependent protein binding; SNARE binding; protein binding; chloride channel inhibitor activity; protein heterodimerization activity; myosin head/neck binding; calcium channel inhibitor activity; glycoprotein binding; kinase binding Biological Process: response to gravity; exocytosis; positive regulation of neurotransmitter secretion; calcium ion-dependent exocytosis; vesicle-mediated transport; regulation of exocytosis; synaptic vesicle fusion to presynaptic membrane; intracellular protein transport; vesicle docking; transport; neurotransmitter transport; positive regulation of exocytosis; secretion by cell
Research Articles on SCD80	**1.** point mutation in syntaxin-1A causes abnormal regulation of neuronal plasticity and vesicle recycling and that the affected syntaxin-1A/CaMKII interaction is essential for normal brain and synaptic functions in vivo.
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