Developmental Pluripotency-Associated Protein 2 (DPPA2) ELISA Kit for Mouse

PRODUCT OVERVIEW

Product Name	Developmental pluripotency-associated protein 2 (Dppa2), ELISA Kit
Full Product Name	Mouse Developmental pluripotency-associated protein 2 ELISA Kit
Product Gene Name	Dppa2 elisa kit
Product Synonym Names	Developmental pluripotency-associated protein 2; Pluripotent embryonic stem cell-related gene 1 protein; Dppa2; Phsecrg1; ECAT15-2; Pluripotent embryonic stem cell-related gene 1 protein
Species Reactivity	Mouse
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.
Molecular Weight	34,116 Da
3D Structure	ModBase 3D Structure for Q9CWH0
Related Product Information for Dppa2 elisa kit	MBS288656 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Developmental pluripotency-associated protein 2 (Dppa2) 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 Dppa2. The ELISA analytical biochemical technique of the MBS288656 kit is based on Dppa2 antibody-Dppa2 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect Dppa2 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, Dppa2. 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 Dppa2 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 Dppa2. It may not necessarily be applicable to this product.

NCBI GI #	58037335
NCBI GeneID	73703
NCBI Accession #	NP_082891.1
UniProt Primary Accession #	Q9CWH0
UniProt Related Accession #	Q9CWH0
GenBank Nucleotide #	NM_028615.1
NCBI Official Full Name	developmental pluripotency-associated protein 2
NCBI Official Synonym Full Names	developmental pluripotency associated 2
NCBI Official Symbol	Dppa2
NCBI Official Synonym Symbols	C80932; D19Mgi18; ECAT15-2; 2410088E07Rik
UniProt Protein Name	Developmental pluripotency-associated protein 2
UniProt Synonym Protein Names	Embryonic stem cell-associated transcript 15-2 protein; ECAT15-2; Pluripotent embryonic stem cell-related gene 1 protein
Protein Family	Developmental pluripotency-associated protein

UniProt Gene Name	Dppa2
UniProt Synonym Gene Names	Phsecrg1; ECAT15-2
UniProt Entry Name	DPPA2_MOUSE
NCBI Protein Information	developmental pluripotency-associated protein 2
UniProt Comments for Dppa2	DPPA2: Binds to target gene promoters, including NKX2-5 and SYCE1, but not GATA4, and may be involved in the maintenance of the active epigenetic status of these genes. Protein type: Cancer Testis Antigen (CTA) Cellular Component: nucleus Molecular Function: chromatin binding Biological Process: regulation of histone methylation; regulation of transcription, DNA-dependent; stem cell maintenance; transcription, DNA-dependent
Research Articles on Dppa2	**1.** a novel long non-coding RNA was found to silence its neighboring gene, Dppa2, in cis through recruiting Dnmt1, Dnmt3a and Dnmt3b
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