Immunoglobulin Lambda-Like Polypeptide 1 (IgLL1) ELISA Kit for Bovine

PRODUCT OVERVIEW

Product Name	Immunoglobulin Lambda-Like Polypeptide 1 (IgLL1), ELISA Kit
Full Product Name	Bovine Immunoglobulin Lambda-Like Polypeptide 1 (IgLL1) ELISA Kit
Product Gene Name	IgLL1 elisa kit
Species Reactivity	Bovine
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	8,574 Da
OMIM	M27749 mRNA
3D Structure	ModBase 3D Structure for P15814
Related Product Information for IgLL1 elisa kit	MBS9906479 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Immunoglobulin Lambda-Like Polypeptide 1 (IgLL1) 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 IgLL1. The ELISA analytical biochemical technique of the MBS9906479 kit is based on IgLL1 antibody-IgLL1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect IgLL1 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, IgLL1. 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 IgLL1 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 IgLL1. It may not necessarily be applicable to this product.

NCBI GI #	13399298
NCBI GeneID	3543
NCBI Accession #	NP_064455.1
UniProt Primary Accession #	P15814
UniProt Secondary Accession #	Q0P681
UniProt Related Accession #	P15814
GenBank Nucleotide #	NM_020070.3
NCBI Official Full Name	immunoglobulin lambda-like polypeptide 1 isoform a
NCBI Official Synonym Full Names	immunoglobulin lambda like polypeptide 1
NCBI Official Symbol	IGLL1
NCBI Official Synonym Symbols	IGO; 14.1; AGM2; IGL1; IGL5; IGLL; IGVPB; CD179b; VPREB2; IGLJ14.1
UniProt Protein Name	Immunoglobulin lambda-like polypeptide 1
UniProt Synonym Protein Names	CD179 antigen-like family member B; Ig lambda-5; Immunoglobulin omega polypeptide; Immunoglobulin-related protein 14.1; CD_antigen: CD179b

Protein Family	Immunoglobulin lambda-like polypeptide
UniProt Gene Name	IGLL1
UniProt Synonym Gene Names	IGL1
NCBI Protein Information	immunoglobulin lambda-like polypeptide 1
NCBI Summary for IgLL1	The preB cell receptor is found on the surface of proB and preB cells, where it is involved in transduction of signals for cellular proliferation, differentiation from the proB cell to the preB cell stage, allelic exclusion at the Ig heavy chain gene locus, and promotion of Ig light chain gene rearrangements. The preB cell receptor is composed of a membrane-bound Ig mu heavy chain in association with a heterodimeric surrogate light chain. This gene encodes one of the surrogate light chain subunits and is a member of the immunoglobulin gene superfamily. This gene does not undergo rearrangement. Mutations in this gene can result in B cell deficiency and agammaglobulinemia, an autosomal recessive disease in which few or no gamma globulins or antibodies are made. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
UniProt Comments for IgLL1	IGLL1: Critical for B-cell development. Defects in IGLL1 are the cause of agammaglobulinemia type 2 (AGM2). It is a primary immunodeficiency characterized by profoundly low or absent serum antibodies and low or absent circulating B-cells due to an early block of B-cell development. Affected individuals develop severe infections in the first years of life. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 22q11.23 Cellular Component: external side of plasma membrane; extracellular region; membrane Molecular Function: antigen binding Biological Process: B cell receptor signaling pathway; complement activation, classical pathway; defense response to bacterium; immune response; innate immune response; leukocyte migration; phagocytosis, engulfment; phagocytosis, recognition; positive regulation of B cell activation Disease: Agammaglobulinemia 2, Autosomal Recessive
Research Articles on IgLL1	**1.** In the Title.
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