Datasheet for ABIN5510755

PGLYRP1 ELISA Kit

1 Image

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Overview

Quantity:	96 tests
Target:	PGLYRP1
Binding Specificity:	AA 19-182
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Mouse PGLYRP1
Brand:	PicoKine™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: NSO, Immunogen sequence: F19-E182
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.
Characteristics:	Tissue Specificity: Strongly expressed in spleen and lung. Also detected in brain and thymus. In the lung, expressed in the intraalveolar space, in the brain, expressed in the Purkinje cells of the cerebellum and in certain layers of neurons in the hippocampus. Also detected in cells filling the space within the intestinal villus.

Target Details

Target:	PGLYRP1

Target Details

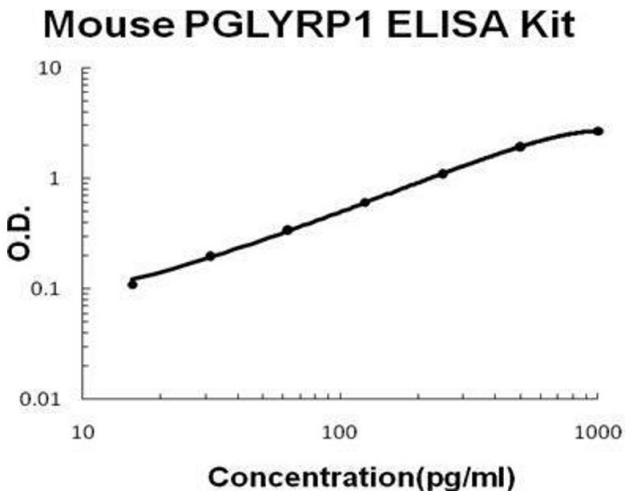
Alternative Name:	Pglyrp1 (PGLYRP1 Products)
Background:	Protein Function: Pattern receptor that binds to murein peptidoglycans (PGN) of Gram-positive bacteria. Has bactericidal activity towards Gram-positive bacteria. May kill Gram-positive bacteria by interfering with peptidoglycan biosynthesis. Binds also to Gram- negative bacteria. Involved in innate immunity. May function in intracellular killing of bacteria. The soluble form triggers apoptosis in vitro. Background: Peptidoglycan recognition protein 1, also known as TAG7, is a protein that in humans is encoded by the PGLYRP1 gene. The PGLYRP1 gene is highly expressed in bone marrow, circulating Polymorphonuclear leukocytes (PMLs), and in the corneal epithelium. The PGLYRP1 protein is primarily found in the granules of PMLs. The PGLYRP1 protein plays an important role in the innate immune response. It is bactericidal against gram-positive bacteria such as S. aureus, S. epidermidis, and L. monocytogenes and generally has proinflammatory effects, inducing TNF-a and IFN-g in many tissues. PGLYRP-1 is also known to form a cytotoxic complex with HSP-70, suggesting it may also have a role in anti-cancer defense. As a pathogen recognition protein with antimicrobial properties, PGLYRP-1 is suspected to play an important role in maintaining the gut microbial flora. Synonyms: Peptidoglycan recognition protein 1, Cytokine tag7, Peptidoglycan recognition protein short, PGRP-S, Pglyrp1, Pglyrp, Pgrp, Pgrps, Tag7, Full Gene Name: peptidoglycan recognition protein 1 Cellular Localisation: Cytoplasm
UniProt:	O88593
Pathways:	Activation of Innate immune Response

Application Details

Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.)
Expiry Date:	12 months



ELISA

Image 1. Mouse PGLYRP1 PicoKine ELISA Kit standard curve