

Mouse Peptidoglycan recognition protein 1 (PGLYRP1) ELISA Kit



Catalog No: #EK8539

Orders: order@signalwayantibody.com

Package Size: #EK8539-1 48T #EK8539-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Mouse Peptidoglycan recognition protein 1 (PGLYRP1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	MGC126894; MGC126896; PGLYRP; PGRP; PGRP-S; PGRPS; TAG7; TNFSF3L; TNF superfamily; member 3 (LTB)-like (peptidoglycan recognition protein)
Accession No.	O88593
Uniprot	O88593
GeneID	21946;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:15.6-1000 pg/mL

Sensitivity:5.7 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method: Sandwich Test principle: This assay employs a two-site sandwich ELISA to quantitate PGLYRP1 in samples. An antibody specific for PGLYRP1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PGLYRP1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PGLYRP1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PGLYRP1 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview: Innate nonself immune recognition relies on structures common among invading microbes, a process termed pattern recognition. Peptidoglycan is a fundamental component of the bacterial cell wall and is thus a candidate for a pattern recognized by the immune system.

The deduced human PGLYRP protein has 196 amino acids. Both the human and mouse PGLYRP proteins share 43% sequence identity with the T. ni PGLYRP protein. Recombinant mouse Pglyrp protein expressed in insect cells possessed an affinity for peptidoglycan. Dot blot analysis of a number of human tissue mRNAs detected strong expression in bone marrow and weak expression in lung, kidney, liver, small intestine, spleen, thymus, peripheral leukocyte, and fetal spleen.

Note: This product is for in vitro research use only