

Mouse Peripheral myelin protein 22 (PMP22) ELISA Kit



Catalog No: #EK8408

Orders: order@signalwayantibody.com

Package Size: #EK8408-1 48T #EK8408-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Mouse Peripheral myelin protein 22 (PMP22) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (<i>Mus musculus</i>)
Other Names	CMT1A; CMT1E; DSS; GAS-3; HMSNIA; HNPP; MGC20769; Sp110; growth arrest-specific 3
Accession No.	P16646
Uniprot	P16646
GeneID	18858;
Storage	<p>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.</p> <p>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).</p>

Application Details

Detect Range:1.56-100 ng/mL

Sensitivity:0.65 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 μ L

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate PMP22 in samples. An antibody specific for PMP22 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPMP22 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PMP22 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 PMP22 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Peripheral myelin protein 22, also known as PMP22, is a protein encoded by the PMP22 gene. Alternative splicing of this gene results in three transcript variants that encode the same protein.

The integral membrane protein encoded by this gene is a hydrophobic, tetraspan glycoprotein expressed mainly in Schwann cells and is a major component of compact myelin in the peripheral nervous system.Various mutations of the gene are causes of Charcot-Marie-Tooth disease Type IA, Dejerine-Sottas syndrome, and Hereditary neuropathy with liability to pressure palsies (HNPP).

Note: This product is for in vitro research use only