

AM26200PU-N**Monoclonal Antibody to PMP22 (N-term) - Purified**

Alternate names:	GAS-3, GAS3, Growth arrest-specific protein 3, PMP-22, Peripheral myelin protein 22
Quantity:	0.1 mg
Concentration:	0.1 mg/ml
Background:	<p>PMP22 is a 160 amino acid glycoprotein and contains four hydrophobic domains, presumably transmembrane regions. It is the second most abundant protein in the mammalian nervous system, but is, at least in rodents, also found in other tissues, including the liver and gut. Myelin protein zero (P0) is the most abundant protein in mammalian peripheral nerve myelin. An interaction between P0 and PMP22 has been detected in compact myelin. Defects in PMP22 have been related to Charcot-Marie-Tooth disease (CMT) and inflammatory demyelinating neuropathy (IDP). Immunization with PMP22 induces experimental auto-immune neuritis without central nervous inflammation. Therefore, PMP22 is considered as candidate auto-antigen in inflammatory diseases of the peripheral nervous system, including both acute and chronic inflammatory demyelinating polyradiculoneuropathy.</p>
Uniprot ID:	Q01453
NCBI:	NP_000295.1
GenelD:	5376
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), AM03095PU-N
Clone:	CF1
Immunogen:	<p>Peptide corresponding to amino acids 121-133 in the second extracellular domain of human PMP22 with an extra N-terminal cysteine residue</p> <p>AA Sequence: CRHPEWHLNSDYSYG</p>
Format:	<p>State: Liquid 0.2 µm filtered Ig fraction Purification: Protein G Buffer System: PBS Preservatives: 0.02% sodium azide Stabilizers: 0.1% bovine serum albumin</p>
Applications:	<p>Immunoassay. Western blot: The typical starting working dilution is 1:50. Immunohistochemistry on paraffin sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Specificity:	This antibody recognizes human peripheral myelin protein 22 (PMP22).
Species Reactivity:	Tested: Human, rhesus monkey

Storage: Store at 2 - 8 °C.
Shelf life: one year from despatch.

General Readings: 1. Gregson NA, Zhang G, Pritchard J, Wang A, Sanvito L, Hayday AC, et al. Characterization of a monoclonal antibody specific for human peripheral myelin protein 22 and its use in immunohistochemical studies of the fetal and adult nervous system. *J Peripher Nerv Syst.* 2007 Mar;12(1):2-10. PubMed PMID: 17374097.