

Product datasheet for **AM26200PU-N**

PMP22 (N-term) Mouse Monoclonal Antibody [Clone ID: CF1]

Product data:

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|------------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | CF1 |
| Applications: | ELISA, IHC, WB |
| Recommended Dilution: | Immunoassay. Western blot: The typical starting working dilution is 1:50. Immunohistochemistry on paraffin sections. |
| Reactivity: | Human, Monkey, Rhesus Monkey |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Peptide corresponding to amino acids 121-133 in the second extracellular domain of human PMP22 with an extra N-terminal cysteine residue |
| Specificity: | This antibody recognizes human peripheral myelin protein 22 (PMP22). |
| Formulation: | PBS State: Purified State: Liquid 0.2 µm filtered Ig fraction Stabilizer: 0.1% bovine serum albumin Preservative: 0.02% sodium azide |
| Concentration: | lot specific |
| Purification: | Protein G |
| Conjugation: | Unconjugated |
| Storage: | Store at 2 - 8 °C. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | peripheral myelin protein 22 |
| Database Link: | Entrez Gene 5376 Human Q01453 |



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Background:

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.

Synonyms:

PMP-22, GAS3, GAS-3, Peripheral myelin protein 22