

## M.Pneumoniae P1-N2

**Description:** The Recombinant Mycoplasma Pneumoniae N-terminal region (P1N2) of the P1 protein was expressed in E. coli having an Mw of 53kDa. The protein is fused to a GST-Tag. This peptide can be used as an antigen in the diagnosis of M. pneumoniae infection.

**Catalog #:** PRPS-802

**Source:** E.Coli

For research use only.

**Physical Appearance:** Sterile filtered colorless solution.

**Purity:** Greater than 95% as determined by 12% PAGE (Coomassie staining).

**Purification Method:**

The recombinant fusion protein was purified by GSH affinity chromatography technique.

**Formulation:**

Mycoplasma Pneumoniae P1-N2 is formulated in 1x PBS pH 7.4 and 0.5mM EDTA.

**Stability:**

Upon arrival, Store at -20°C. Please prevent freeze-thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Applications:**

Can be used for lateral flow product, ELISA assay and vaccine development.

**Introduction:**

Mycoplasma pneumoniae is part of the atypical pneumonia subtype which is caused by the bacteria M. pneumoniae. Mycoplasma pneumoniae affects individuals younger than 40. It makes up 15 - 50% of all pneumonia cases in adults and especially in school-aged children. People at great risk for mycoplasma pneumoniae comprise of those living or working in busy areas such as schools and homeless shelters, although many people who contract mycoplasma pneumoniae have no identifiable risk factor. P1, P30, and P116 of mycoplasma pneumoniae membrane proteins have been recognized as adhesine factors, P1 is considered as a main adhesion protein of the organism colonization.

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