

## Anti-PorM [Nb01] Bulk size M Ab03486-1.159-BS

**Isotype and Format:** Mouse IgG1-Fc fusion

**Clone Number:** Nb01

**Alternative Name(s) of Target:** Por secretion system protein porM/gldM; T9SS component cytoplasmic membrane protein PorM

**UniProt Accession Number of Target Protein:** B2RLE8

**Published Application(s):** ELISA

**Published Species Reactivity:** Porphyromonas gingivalis

**Immunogen:** The original antibody was isolated from a nanobody phage-display naïve library generated from the peripheral blood of llamas immunized with purified periplasmic domain (residues 36–516) of PorM of Porphyromonas gingivalis. The specific antibody was isolated by panning the library against periplasmic domain of PorM protein.

**Specificity:** This antibody binds N-terminal part comprising amino acids from 44–217 of the PorM protein of Porphyromonas gingivalis. PorM is a membrane protein that is involved in the assembly of the type IX secretion system (T9SS) in Porphyromonas gingivalis, a major bacterial pathogen that is responsible for periodontal disease in humans.

**Application Notes:** The binding specificity of this antibody towards N-terminal part of the PorM protein was determined using ELISA. The affinity of the antibody was found to be  $K_d = 1.8 \pm 0.7$  nM (PMID: 28471361).

**Antibody First Published in:** Duhoo et al. Camelid nanobodies used as crystallization chaperones for different constructs of PorM, a component of the type IX secretion system from Porphyromonas gingivalis. Acta Crystallogr F Struct Biol Commun. 2017 May 1;73(Pt 5):286-293. [PMID:28471361](#)

**Note on publication:** Describes the generation of nanobodies against PorM protein of Porphyromonas gingivalis.

### Product Form

**Size:** 1 mg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer

storage, aliquot and store at -20°C.

**Concentration:** See vial label

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.