

## Mouse Anti-Porcine Tumor Necrosis Factor Receptor Superfamily Member 1A (TNFR1) Monoclonal Antibody

**Cat. No.:** VD8N247

**Product Type:** Animal-targeted Antibodies

**Size:** 50uL; 100uL; 150uL

### Product Overview

BioVenic mouse monoclonal antibody is specific for tumor necrosis factor receptor superfamily member 1A. It is affinity purified by protein A. It can be applied to WB, IF, IHC and ELISA assays of tumor necrosis factor receptor superfamily member 1A.

### Specifications

|                             |                                                                             |
|-----------------------------|-----------------------------------------------------------------------------|
| Application                 | WB; IF; IHC; ELISA                                                          |
| Clonality                   | Monoclonal                                                                  |
| Classification              | Primary Antibody                                                            |
| Clone                       | G5N60                                                                       |
| Host                        | Mouse                                                                       |
| Target Species              | Porcine                                                                     |
| Species Reactivity          | Porcine                                                                     |
| Specificity                 | Tumor Necrosis Factor Receptor Superfamily Member 1A                        |
| Isotype                     | IgG1                                                                        |
| Immunogen                   | Recombinant protein of tumor necrosis factor receptor superfamily member 1A |
| Purification                | Protein A Purified                                                          |
| Concentration               | 1000 µg/mL                                                                  |
| Conjugation                 | Unconjugated                                                                |
| Preservative and Stabilizer | 0.02% Sodium Azide                                                          |
| Buffer                      | Phosphate Buffered Saline with 50% Glycerol, pH 7.3                         |
| Physical State              | Liquid                                                                      |

### Target Information

Porcine tumor necrosis factor receptor superfamily member 1A (TNFRSF1A), also known as the p55 tumor necrosis factor receptor or CD120a, is a crucial component of the immune system in pigs. This receptor plays a significant role in regulating immune responses, particularly in the mediation of inflammation and the regulation of cell survival and apoptosis. TNFRSF1A is expressed on the surface of various cell types, including immune cells, and binds to its ligand, tumor necrosis factor alpha (TNF- $\alpha$ ), to initiate intracellular signaling pathways. This interaction is essential for the activation of immune cells, the promotion of inflammation, and the regulation of cell death, which are critical for the host's defense against infections and the maintenance of immune homeostasis.

|                |                                                      |
|----------------|------------------------------------------------------|
| Target         | Tumor Necrosis Factor Receptor Superfamily Member 1A |
| Target Synonym | CD120a; FPF                                          |
| Gene ID        | <a href="#">7132</a>                                 |
| UniProt ID     | <a href="#">P50555</a>                               |

## Shipping and Storage

This product is shipped with ice gel packs. Store at -20°C (up to 12 months) on receipt.

## Reference

Wu, Youmei, *et al.* "Tumor necrosis factor (TNF) receptor superfamily member TACI is a high affinity receptor for TNF family members APRIL and BLyS." *Journal of Biological Chemistry* 275.45 (2000): 35478-35485.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.