

Mouse Anti-Porcine Flavin Containing Monooxygenase 2 (FMO2) Monoclonal Antibody

Cat. No.: VD8N322

Product Type: Animal-targeted Antibodies

Size: 50uL; 100uL; 150uL

Product Overview

BioVenic mouse monoclonal antibody is specific for flavin containing monooxygenase 2. It is affinity purified by protein A. It can be applied to WB, IHC, IF and ELISA assays of flavin containing monooxygenase 2.

Specifications

Application	WB; IF; IHC; ELISA
Clonality	Monoclonal
Classification	Primary Antibody
Clone	G6N66
Host	Mouse
Target Species	Porcine
Species Reactivity	Porcine
Specificity	Flavin Containing Monooxygenase 2
Isotype	IgG1
Immunogen	Recombinant protein of flavin containing monooxygenase 2
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 flavin containing monooxygenase 2 (FMO2) is a vital enzyme involved in the oxidative metabolism of a wide range of endogenous and exogenous compounds in pigs. FMO2 belongs to the flavin-containing monooxygenase family, which utilizes oxygen a

nd flavin adenine dinucleotide (FAD) to catalyze the oxidation of nucleophilic heteroatoms, such as sulfur, phosphorus, and nitrogen found in various substrates. This enzyme plays a significant role in the detoxification process, as it can convert lipophilic substances into more hydrophilic metabolites, facilitating their elimination from the body. FMO2 is particularly important in the metabolism of drugs and other xenobiotics, as well as in the biotransformation of certain hormones and neurotransmitters.

Target	Flavin Containing Monooxygenase 2
Gene ID	100525884
UniProt ID	F1S6B6

Shipping and Storage

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

Reference

Dolphin, Colin T., *et al.* "The flavin-containing monooxygenase 2 gene (FMO2) of humans, but not of other primates, encodes a truncated, nonfunctional protein." *Journal of Biological Chemistry* 273.46 (1998): 30599-30607.

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.