Mouse Anti-Human PON1 Monoclonal Antibody [2G8]

CABT-ZC1258  Mouse(PON1)
Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview
Mouse Monoclonal Antibody to Human PON1 molecule

Antigen Description
Keratins are a family of structurally related proteins that form the intermediate filament cytoskeleton in epithelial cells. Keratins are expressed in pairs by epithelial cells in a tissue and cell specific manner. The major differentiation specific keratins of the buccal mucosa, nasal, esophageal and anogenital epithelia are cytokeratin 4 and cytokeratin 13. Cytokeratin 4 and cytokeratin 13 form heterodimers in normal epithelial cells. In humans, cytokeratin 4 is present in all layers of the epidermis at 10 weeks and gradually disappears. Genetic mutations in cytokeratin 4 cause white sponge nevus (WSN), an autosomal dominant disorder that affects noncornified stratified squamous epithelia.

Target
PON1

Immunogen
Full length human recombinant protein of human HPGD produced in HEK293T cell.

Host
Mouse

Isotype
IgG1

Species
Human

Clone
2G8

Applications
ELISA, LMNX

PACKAGING

Concentration
0.5~1.0 mg/ml (Lot Dependent)

Buffer
Stored in PBS (pH 7.4) with 0.05% sodium azide, 10mg/ml BSA, 50% glycerol.

Storage
Shipped at 4 °C. Upon delivery store at -20 °C. Dilute in PBS (pH7.3) before use. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

ANTIGEN GENE INFORMATION

Gene Name
PON1 paraoxonase 1 [ Homo sapiens ]

Official Symbol
PON1

Synonyms
PON1; paraoxonase 1; PON; serum paraoxonase/arylesterase 1; ESA; esterase A; K-45; PON 1; A-esterase 1; paraoxonase B-type; aromatic esterase 1; arylesterase B-type; serum aryldiacylphosphatase; serum arylalkylphosphatase 1; MVCD5

GenelD
5444

mRNA Refseq
NM_000446

Protein Refseq
NP_000437

UniProt ID
P27169

Chromosome Location
7q21.3

Pathway
Metabolic pathways
**Function**

aryldialkylphosphatase activity; arylesterase activity; calcium ion binding; phospholipid binding; protein homodimerization activity

**REFERENCES**