



PON1 Monoclonal Antibody (17A12)

Catalog Number LF-MA0099

Product data sheet

Details		Tested Applications	Dilution *
Size	100 µL	Western Blot (WB)	2-5 µg/mL
Host/Isotope	Mouse / IgG1	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Class	Monoclonal		
Type	Antibody		
Clone	17A12		
Immunogen	Purified, His-tagged, recombinant, human PON1 protein expressed in E. coli.		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	2 mg/mL		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

A suggested positive control for this product is HepG2 cells.

Background/Target Information

The paraoxonase (PON) gene-family in humans has three members, PON1, PON2, and PON3, aligned next to each other on the long arm of chromosome 7q21.3-22.1. PON1 of these is synthesized primarily in the liver and a portion is secreted into the plasma, where it is associated with high density lipoproteins (HDL). And It hydrolyzes the active metabolites of several other organophosphorus insecticides (e.g., chlorpyrifos oxon, diazoxon), as well as nerve agents such as sarin, soman and VX (lethal nerve agent). The PON1 polymorphism may be responsible for neurodegeneration and considered to be an independent risk factor for Parkinson's disease.

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