BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-PON1 Antibody (monoclonal, 11H2)

Catalog Number: M00516-2

About Pon1

Isocitrate dehydrogenase [NADP], mitochondrialis anenzymethat in humans is encoded by theIDH2gene. Isocitrate dehydrogenases catalyze the oxidative decarboxylation of isocitrate to 2-oxoglutarate. These enzymes belong to two distinct subclasses, one of which utilizes NAD (+) as the electron acceptor and the other NADP (+). Five isocitrate dehydrogenases have been reported: three NAD (+)-dependent isocitrate dehydrogenases, which localize to the mitochondrial matrix, and two NADP (+)-dependent isocitrate dehydrogenases, one of which is mitochondrial and the other predominantly cytosolic. Each NADP (+)-dependent isozyme is a homodimer. The protein encoded by this gene is the NADP (+)-dependent isocitrate dehydrogenase found in the mitochondria. It plays a role in intermediary metabolism and energy production. This protein may tightly associate or interact with the pyruvate dehydrogenase complex. Alternative splicing results in multiple transcript variants.

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Overview

Product Name	Anti-PON1 Antibody (monoclonal, 11H2)
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-PON1 Antibody (monoclonal, 11H2) catalog # M00516-2. Tested in ELISA applications. This antibody reacts with Mouse, Rat.
Application	ELISA (Cap)
Clonality	Monoclonal 11H2
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	P52430

Technical Details

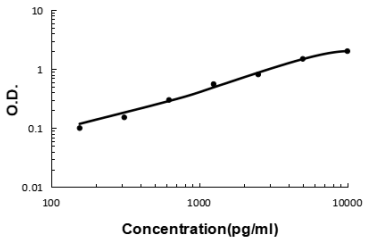
Immunogen	E. coli-derived mouse PON1 recombinant protein (Position: A30-D274).
Recommended Detection Systems	Boster provides a series of assays reacted with primary antibodies.

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Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Mouse IgG2a
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	ELISA (Cap), 1-5ug/ml

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Anti-PON1 Antibody (monoclonal, 11H2) (M00516-2) Images



Sandwich ELISA - Recombinant mouse PON1 protein standard curve. Use in combination with reagents from Mouse PON1 ELISA Kit EZ-Set (DIY Antibody Pairs) (EZ1621).

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For Research Use Only. Not for use in diagnostic procedures.