

## Product datasheet for **TA502610BM**

### **PON1 Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI2A6]**

#### **Product data:**

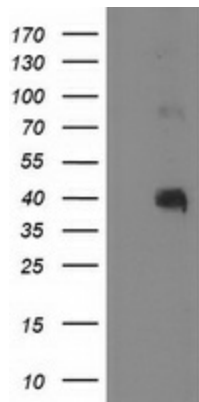
<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI2A6
<b>Applications:</b>	ELISA, FC, IHC, WB
<b>Recommended Dilution:</b>	WB 1:500, IHC 1:150, FLOW 1:100
<b>Reactivity:</b>	Human
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Full length human recombinant protein of human PON1 (NP_000437) produced in HEK293T cell.
<b>Formulation:</b>	PBS (pH 7.3) containing 1% BSA, 50% glycerol.
<b>Concentration:</b>	0.5 mg/ml
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	HRP
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	39.6 kDa
<b>Gene Name:</b>	paraoxonase 1
<b>Database Link:</b>	<a href="#">NP_000437</a> <a href="#">Entrez Gene 5444 Human</a> <a href="#">P27169</a>
<b>Background:</b>	The enzyme encoded by this gene is an arylesterase that mainly hydrolyzes paroxon to produce p-nitrophenol. Paroxon is an organophosphorus anticholinesterase compound that is produced in vivo by oxidation of the insecticide parathion. Polymorphisms in this gene are a risk factor in coronary artery disease. The gene is found in a cluster of three related paraoxonase genes at 7q21.3. [provided by RefSeq]



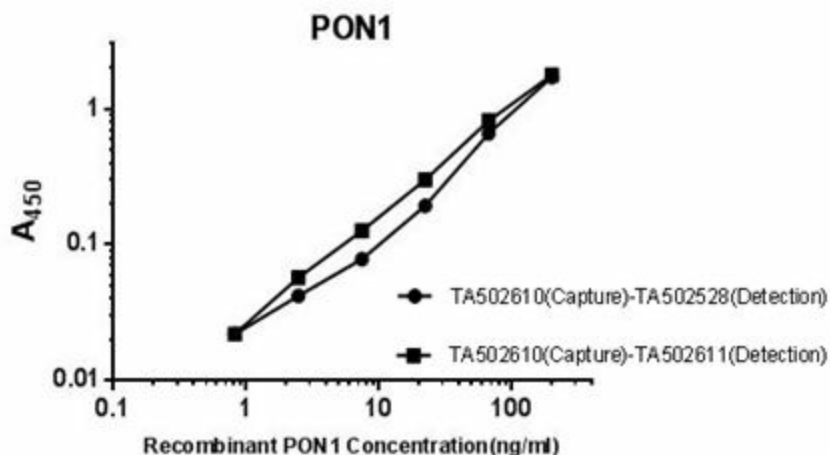
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**Synonyms:** ESA; MVCD5; PON  
**Protein Families:** Druggable Genome, Secreted Protein  
**Protein Pathways:** Metabolic pathways

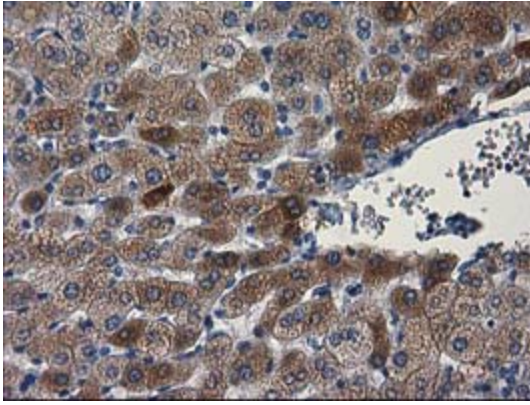
**Product images:**



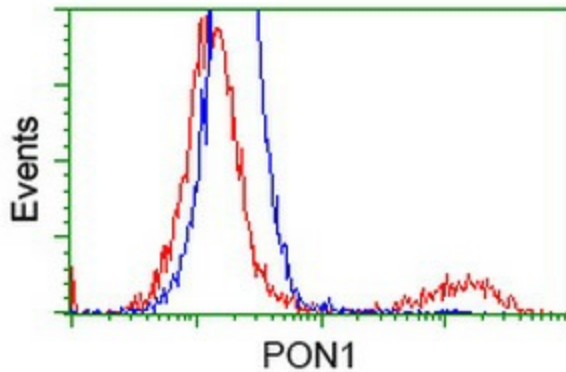
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PON1 ([RC210356], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PON1. Positive lysates [LY400156] (100ug) and [LC400156] (20ug) can be purchased separately from OriGene.



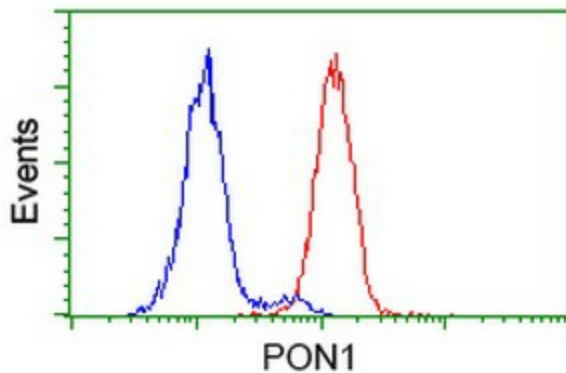
Standard curve for ELISA analysis with PON1 recombinant protein (dilution range from 0.8ng/ml to 200ng/ml) using PON1 Capture Antibody (Cat# [TA502610]) at 5ug/ml and HRP conjugated PON1 Detection mAb (Cat# [TA502528]/[TA502611]) at 0.16ug/ml.



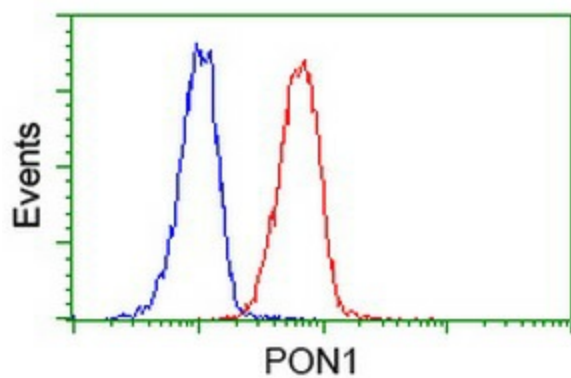
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-PON1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502610])



HEK293T cells transfected with either [RC210356] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-PON1 antibody ([TA502610]), and then analyzed by flow cytometry.



Flow cytometric Analysis of HeLa cells, using anti-PON1 antibody ([TA502610]), (Red), compared to a nonspecific negative control antibody (TA50011), (Blue).



Flow cytometric Analysis of Jurkat cells, using anti-PON1 antibody ([TA502610]), (Red), compared to a nonspecific negative control antibody (TA50011), (Blue).