



# Anti-HOCl-OX-LDL polyclonal antibody (DPAB0577)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	Strong reactivity with HOCl-LDL. No detectable cross-reactivities to unmodified LDL have been observed. Weak cross-reactivity to HNE-LDL was observed.
<b>Immunogen</b>	Hypochlorite-modified low density protein (LDL)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	N/A
<b>Purification</b>	Not applicable
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Suitable for use in ELISA (1:400-1:4,000) and immunohistochemistry (<1:400). Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
<b>Format</b>	Neat, Lyophilized. Reconstitute in 20ul double distilled water.
<b>Concentration</b>	Not applicable
<b>Size</b>	100 µl
<b>Buffer</b>	Not applicable
<b>Preservative</b>	See individual product datasheet
<b>Storage</b>	Store lyophilized product at 2-8°C. After reconstitution, store at -20°C. Avoid multiple freeze/thaw cycles.

# BACKGROUND

Introduction	Atherosclerosis (also known as arteriosclerotic vascular disease or ASVD) is a condition in which an artery wall thickens as a result of the accumulation of fatty materials such as cholesterol. It is a syndrome affecting arterial blood vessels, a chronic inflammatory response in the walls of arteries, caused largely by the accumulation of macrophage white blood cells and promoted by low-density lipoproteins (plasma proteins that carry cholesterol and triglycerides) without adequate removal of fats and cholesterol from the macrophages by functional high density lipoproteins (HDL), (see apoA-1 Milano). It is commonly referred to as a hardening or furring of the arteries. It is caused by the formation of multiple plaques within the arteries.
Keywords	Oxidized low density lipoprotein; Lipoprotein, Oxidized Low Density HOCl; HOCl-OX-LDL; Hypochlorite-modified low density protein; HOCl-LDL; HOCl-Oxidized Low Density Lipoprotein; Atherosclerosis