

Datasheet for ABIN335417

anti-Malondialdehyde antibody**1** Image**1** Publication[Go to Product page](#)

Overview

Quantity:	30 µg
Target:	Malondialdehyde (MDA)
Reactivity:	Please inquire
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Malondialdehyde antibody is un-conjugated
Application:	Immunohistochemistry (IHC)

Product Details

Immunogen:	MDA-modified Keyhole-Limpet Hemocyanin.
Clone:	1F83
Isotype:	IgG2a lambda
Specificity:	Specific for MDA modified protein (especially DHP-lysine) in all species.
Purification:	Protein A purified

Target Details

Target:	Malondialdehyde (MDA)
Alternative Name:	Malondialdehyde / MDA (MDA Products)
Target Type:	Chemical
Background:	Malondialdehyde (MDA) is one of the major aldehyde derive from lipid peroxidation. MDA is

Target Details

highly reactive aldehyde and reacts with lysine residue in protein. The reaction with MDA and lysine residue leads to the formation of numerous numbers of adducts, such as dihydropyridine-lysine (DHP-lysine) type derivative. This monoclonal antibody is specific for the MDA-modified protein, especially DHP-lysine type derivative.

Application Details

Application Notes: IHC: Suggested concentration is 0.5-1.0 ug/mL on paraformaldehyde fixed tissue.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Liquid:100 ug IgG/mL in 10 mM PBS containing 0.1 % NaN₃ and 0.1 % BSA.

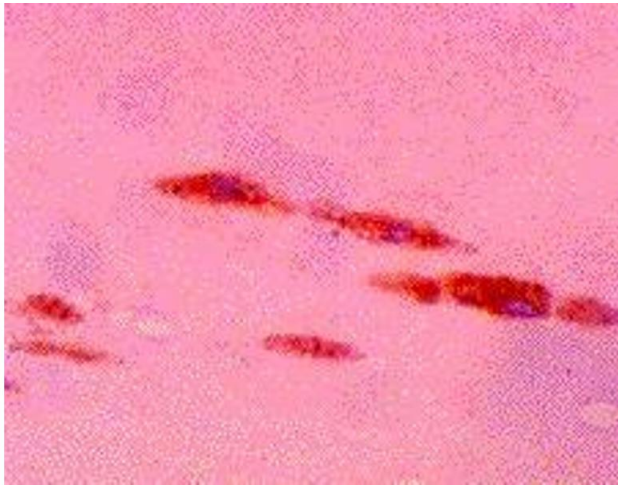
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Publications

Product cited in: Yamada, Kumazawa, Ishii, Nakayama, Itakura, Shibata, Kobayashi, Sakai, Osawa, Uchida: "Immunochemical detection of a lipofuscin-like fluorophore derived from malondialdehyde and lysine." in: **Journal of lipid research**, Vol. 42, Issue 8, pp. 1187-96, (2001) ([PubMed](#)).



Immunohistochemistry

Image 1. Immunohistochemical detection of MDA-modified protein in atherosclerotic aorta.