

AM26368PU-N**Monoclonal Antibody to MGO-modified proteins - Purified**

Quantity:	0.1 mg
Concentration:	0.1 mg/ml
Background:	Methylglyoxal (MGO) is an endogenous product of glucose metabolism. Increased production and accumulation of methylglyoxal (MGO), as well as increased modification of proteins by glycooxidation, are hallmarks of aging and diabetes. MGO was shown to modify proteins and to contribute to the accumulation of damaged proteins that can be toxic to cells. A number of studies have shown that MGO levels are significantly elevated in patients with Type 2 Diabetes and correlates well with fasting plasma glucose and hemoglobin A1c (HbA1c) levels. Moreover, increased formation of the MGO is implicated in renal dysfunction and is known to be involved in the development of DN (diabetic nephropathy).
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	AM03095PU-N
Clone:	MGO-1
Immunogen:	MGO-modified KLH
Format:	State: Liquid 0.2 µm filtered Ig fraction Purification: Protein G Buffer System: PBS Preservatives: 0.02% sodium azide Stabilizers: 0.1% bovine serum albumin
Applications:	Immunoassays. Immunohistochemistry on paraffin sections: The typical starting working dilution is 1:50. Western blot. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The monoclonal antibody MGO-1 recognizes human MGO modified proteins.
Species Reactivity:	Tested: Human. Multispecies cross reactant.
Storage:	Store at 2 - 8 °C. Shelf life: one year from despatch.