

Asymmetric Dimethyl Arginine Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 90005 (clone 21C7)
Format: 100ug, Protein A-purified, lyophilized, 0.1M Tris, 0.1M glycine, 2% sucrose, 1mg/ml.

BACKGROUND

Asymmetric dimethylarginine (ADMA) is a naturally occurring chemical found in blood plasma. It is a metabolic by-product of continual protein modification processes in the cytoplasm of all human cells. It is closely related to L-arginine. ADMA interferes with L-arginine in the production of nitric oxide, a key chemical involved in normal endothelial function and, by extension, cardiovascular health. Since raised levels of ADMA appear to be associated with adverse human health consequences for cardiovascular disease, metabolic diseases, and also a wide range of diseases of the elderly, the possible lowering of ADMA levels may have important therapeutic effects.

SPECIFICATION SUMMARY

Antigen: Dimethyl-L-arginine
Host species: Mouse.
Antibody Class: IgM
Preservative: None.

SPECIFICITY

This antibody reacts with free and bound ADMA. It does not cross-react with free or bound arginine or NG-monomethyl arginine.

APPLICATIONS

Immunoblotting: use at 1-2ug/ml
Immunohistochemistry: use at 1-10ug/ml.
These are recommended concentrations. Enduser should determine optimal concentrations for their applications.

RECONSTITUTION

Reconstitute in distilled water.

STORAGE AND STABILITY

This product is stable for at least one (1) year at -20°C to -70°C. Reconstituted product should be stored in appropriate aliquots to avoid repeated freeze-thaw cycles.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.