

Sphingomyelin (SM) Assay Kit | SM assay kit

Sphingomyelin (SM) Fluorometric Assay Kit

CATALOG #
AAA179708

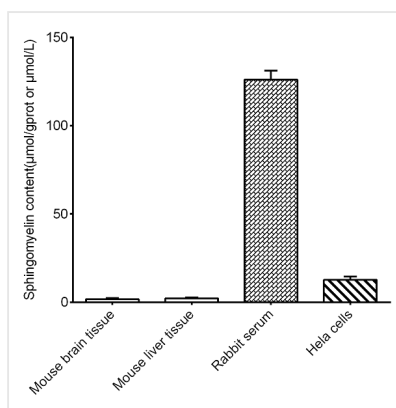
PRODUCT SYNONYMS

Sphingomyelin (SM); Sphingomyelin (SM) Fluorometric Assay Kit; SM assay kit

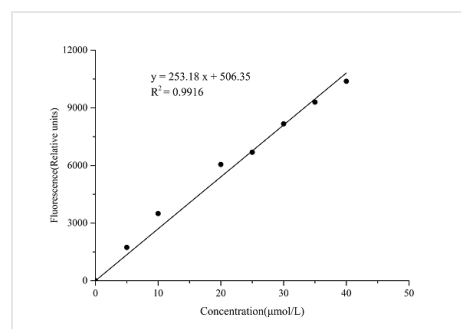
PRODUCT SPECIFICATIONS

Detection Type	Fluorescence
Result Type	Quantitative
Samples	Serum, Plasma, Animal tissue, Cell
Detection Range	0.35-40umol/L
Sensitivity	0.35umol/L
Precision	Intra-assay CV: 4.9-5.1% Inter-assay CV: 6.0-10.0%
Detection Instrument	Fluorescence microplate reader
Preparation and Storage	This product can be stored at -20 degree C for 12 months with shading light.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for SM assay kit

Sphingomyelin (SM) is widely present in cell membranes and plasma lipoproteins. Metabolism of SM is regulated by sphingomyelin synthase and sphingomyelase, whose metabolites include ceramide, sphingosinol and choline phosphate, which are important second messengers. Studies have shown that SM and its metabolites play an important role in liver, lung, and cardiovascular diseases. The principle of this kit is that SM is catalyzed by sphingomyelin enzyme, and its products generate fluorescent substances with the probe under the action of other enzymes. By substituting the fluorescence value into the standard curve, SM content in the sample can be calculated.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/assay-kits/sphingomyelin-sm/179708>