



PRODUCT DATA SHEET

Product: Anti-Selenoprotein M mAb, clone 10C1

Cat. No.: MC-1039 (100 µL)

Description:

A growing body of evidence relates selenium to cancer prevention, immune system function, male fertility, cardiovascular disorder, control of the aging and neurodegenerative process. Selenoproteins are thought to be responsible for the majority of these biomedical effects of selenium. Approximately 17 selenoproteins have been identified until now. Although the functions of many selenoproteins are unknown, some play important roles in anti-oxidant mechanisms. It has been also implicated in the regulation of signaling pathways through catalysis of thiol/disulfide exchange. Selenoprotein M (SeIM) is especially expressed in a mammalian brain and is localized to the perinuclear structures (Golgi/ER). The roles of SeIM have not been clearly identified until present time.

Immunogen:

Recombinant human protein purified from E.coli

Host:

Mouse

Isotype:

IgG2a

Format:

HEPES with 0.15M NaCl with protein stabilizer, 0.03% sodium azide and 50% glycerol

Positive Control:

Recombinant human SeIM protein

Storage:

Store at -20°C. Avoid repeated freeze/thaw cycles.

Applications:

- ELISA
- Western Blot: Suggested dilution 1:2000
- Immunoprecipitation: 1-2 µL

The optimal dilution for a specific application should be determined by the researcher.

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.