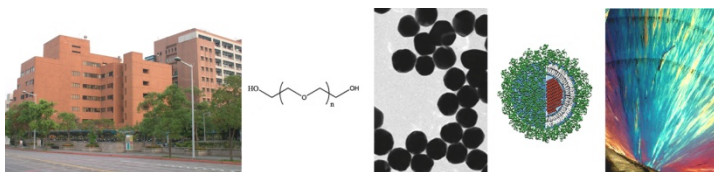


Anti-PEG

AGP4



Material Data Sheet

Anti-PEG (monoclonal IgM)

Product No: AGP4-PABM-A

<u>Clone Number:</u>	AGP4
<u>Lot Number:</u>	SMA-50
<u>Concentration:</u>	1.54 mg/ml
<u>Isotype:</u>	Mouse IgM
<u>Immunogen:</u>	Chemical conjugate of murine monoclonal antibody RH1 and PEG-modified β -glucuronidase derived from <i>E. coli</i> .
<u>Reactivity:</u>	AGP4 binds to the repeating subunits of polyethylene glycol. The minimum PEG size that can be bound is ~ 2000 Da. Effective binding is greatly enhanced in PEG conjugates (i.e. PEG-proteins, PEG-liposomes, PEG-cells, PEG-nanoparticles).
<u>Format:</u>	Purified AGP4 IgM in phosphate buffered saline (0.14 M NaCl, 2.7 mM KCl, 1.5 mM KH_2PO_4 , 8.1 mM Na_2HPO_4).
<u>Preservatives:</u>	0.04% sodium azide.
<u>Storage:</u>	Add an equal volume Glycerol and store at -20°C for long term use. Avoid repeated freeze thaw cycles if stored at -80°C
<u>Precautions:</u>	For <i>in vitro</i> research use only. Not for use in or on humans or animals.
<u>Expiration Date:</u>	Two years from date of receipt if stored at -80°C .

Applications

This product has been reported to work in the following applications. The information is derived from experiments performed in our laboratory as well as from personal communications.

	Yes	No	Not Determined
ELISA	■		
Western blotting	■		
Flow cytometry	■		
Pegylated liposomes	■		
Immunohistochemistry	■		
Pegylated quantum dots	■		
Free PEG	†		

†Free PEG can be detected on immunoblots and coated on surfaces. PEG in solution is detected poorly by ELISA.

We recommend that AGP4 be used at 5 $\mu\text{g/ml}$ (50 $\mu\text{l/well}$) as a capture antibody in sandwich ELISAs.

<http://www.ibms.sinica.edu.tw/~sroff/anti-PEG/index.html>