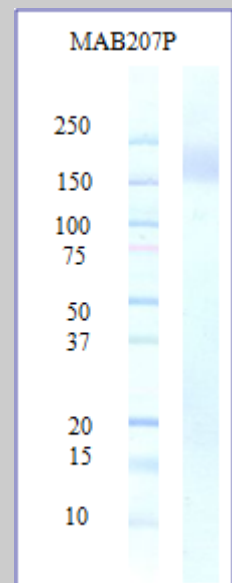
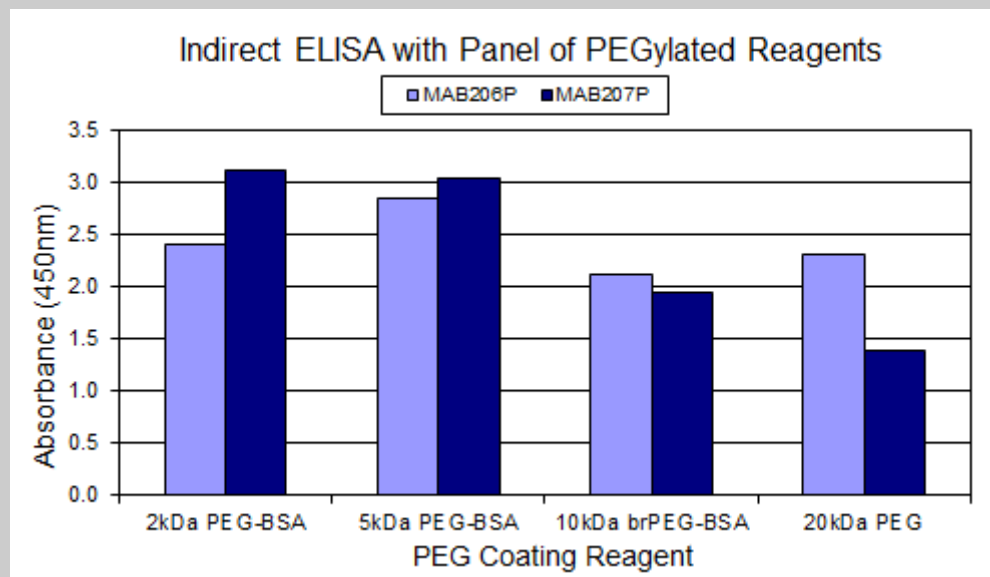


# Monoclonal Antibodies to Polyethylene glycol (PEG)

Maine Biotechnology Services has developed two antibodies that recognize Polyethylene glycol (PEG); large, small, linear and branched. MAB206P and MAB207P are specific for the linear backbone of PEG, enhancing the utility of these antibodies. By recognizing PEG with or without the terminal methoxy group, the antibodies developed by MBS serve well as an R&D tool aiding in the PEGylation process and purification of PEGylated molecules. PEG antibodies can be a vital tool for propelling therapeutics to market by serving as a positive control anti-drug antibody, measuring clearance of a drug, or simply as a QA release confirming PEGylation.

- **MAB206P Murine Monoclonal IgG3**
- **MAB207P Rat Monoclonal IgM**
- **Validated in ELISA, WB, and IHC Applications**
- **Serve as Positive Controls for Drug Detection Assays**
- **Recognize PEG Conjugates and Free Form PEG**



**(Figure 1)** An Indirect ELISA was run against a panel of three PEG conjugates and one unconjugated PEG (20kDa). The PEG reagents were coated at 5 ug/ml and the antibodies were run at 2 ug/ml. The data shows that both MAB206P and MAB207P bind specifically to PEG in this application. Previous development work demonstrates that both of these PEG antibodies are specific for the linear backbone of PEG and do not bind the methoxy group.  
**(Figure 2)** Mab207P PEG IgM antibody run in a western blot. Lane 1: molecular weight standard Lane 2: PEGylated protein