

10-9534-B: Biotinylated Recombinant Rabbit Monoclonal Antibody to Polyethylene Glycol (Clone: RM105)(Discontinued)

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|--------------------------------|-------------------------------------|
| Clonality : | Monoclonal |
| Clone Name : | RM105 |
| Application : | WB,IP,ICC,IHC,FACS,ELISA |
| Reactivity : | All Species |
| Conjugate : | Biotin |
| Format : | Purified |
| Isotype : | Rabbit IgG |
| Immunogen Information : | KLH-PEG with terminal methoxy group |

Product Info

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| Amount : | 50 µg |
| Purification : | Protein A affinity purified from an animal origin-free culture supernatant |
| Content : | 1 mg/ml in 50% Glycerol/PBS with 1% BSA and 0.09% sodium azide |
| Storage condition : | Store at -20°C. Avoid repeated freeze and thaw cycles. |

Application Note

Clone RM105 reacts to the methoxy group of Polyethylene glycol (PEG). It is specific for methoxypolyethylene glycol. ELISA: 0.02 Åµg/ml-0.5 Åµg/ml; Immunohistochemistry (IHC): 0.5 Åµg/ml-2 Åµg/ml; Western Blot (WB) : 0.1 Åµg/ml-1 Åµg/ml.

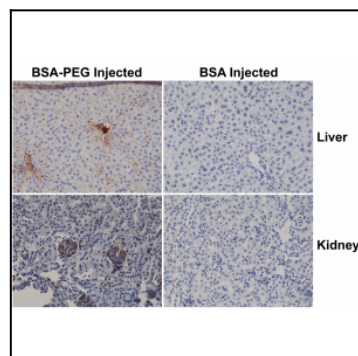


Figure 1: Immunohistochemistry of mouse liver and kidney using 0.5 µg/ml of anti-PEG Clone: RM105 biotin conjugate, followed by an HRP conjugated streptavidin. The mouse was injected with PEG-BSA or BSA 3 hours before sampling.

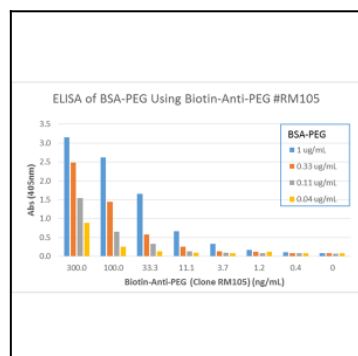


Figure 2: ELISA of PEGylated BSA using Biotinylated anti-PEG rabbit monoclonal antibody Clone: RM105. The ELISA plate was coated with 50 µL/well of BSA-PEG at 1 µg/ml, 0.33 µg/ml, 0.11 µg/ml, and 0.04 µg/ml. Different concentrations of Biotinylated anti-PEG mAb Clone: RM105 was used as the primary antibody, followed by an AP conjugated Streptavidin.

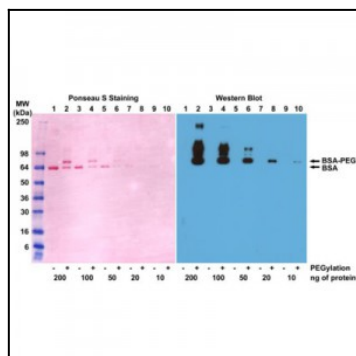


Figure 3: Western blot of BSA and PEGylated BSA (mPEG 5 kDa) using 0.1 $\mu\text{g/ml}$ of anti-PEG Clone: RM105.