mPEG Monoclonal

Clone 5D6-3

Catalog No. 5D6-3

Description Mouse monoclonal anti-PEG (IgG1k)

KD $< 1 \times 10^{-10}$ M

(Determined using an Octet QK™ in a buffer of 150 mM NaCl, 10 mM Tris.Cl, 1 mM EDTA, 0.1% NaN₃, 7% w/v BSA, pH 7.4 using 2 kDa mPEG-biotin as ligand)

Purity 90% by SDS PAGE

Protein ~ 1 mg/ml (E1% at 280 nm = 14.0)

Applications ELISA, Western Blot

Buffer 10 mM Sodium Phosphate, 150 mM NaCl, pH 7.2, 0.09% NaN₃

Storage 2-8°C

Immunogen mPEG-KLH

Comments: This antibody recognizes the terminal methoxy group of methoxy-PEG. It does not recognize the polyoxyethylene “backbone” or PEG chains that lack the terminal methoxy group. We purify the antibody using a method that do not involve low pH elution from protein G or A. This gives a slightly lower purity product but the active antibody content is increased by ~3-fold. This antibody pairs well with our anti-PEG monoclonal 9B5-6-25-7 in ELISA. It was developed and manufactured at Life Diagnostics, Inc.