

# ***Life Diagnostics, Inc.***

610-431-7707 • Fax: 610-431-7818

Info@lifediagnostics.com • www.lifediagnostics.com

## ***mPEG Monoclonal Clone 5H4-2***

Catalog No.	5H4-2
Description	Mouse monoclonal anti-PEG (IgG1k)
KD	< 1 x 10 <sup>-10</sup> M (Determined using an Octet QK™ in a buffer of 150 mM NaCl, 10 mM Tris.Cl, 1 mM EDTA, 0.1% NaN <sub>3</sub> , 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% NaN <sub>3</sub>
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.

P.O. Box 5205 • West Chester, PA 19380 • USA