

Life Diagnostics, Inc.

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Polyethylene Glycol (PEG) Monoclonal Clone 10B4-2

Catalog No.	10B4-2
Description	Mouse anti-PEG IgG1k Purified by Protein-G affinity chromatography from serum-free culture medium
KD	2.28 x 10 ⁻⁸ M (Determined using an Octet QK™ in a buffer of 1M NaCl, 5 mM Tris.Cl, pH 7.4, 0.1% NaN ₃ , 7% w/v BSA, using biotin-20 kDa mPEG as ligand)
Purity	>95% by SDS PAGE
Protein	1 - 5 mg/ml (E1% at 280 nm = 14.0)
Applications	Direct, indirect & sandwich ELISA, Western Blot
Buffer	10 mM Sodium Phosphate, 150 mM NaCl, pH 7.2, 0.10% NaN ₃
Storage	2-8°C
Immunogen	mPEG-Ovalbumin

Comments: This antibody recognizes the PEG polymer chain, not the terminal methoxy group. It will recognize both methoxy-PEG and non-methoxy PEG. It recognizes PEG's with a molecular weight of 550 or greater in direct ELISA. Studies at LDI indicate it can be used in indirect ELISA and as conjugate antibody in sandwich ELISA. It can be coupled to alkaline phosphatase using glutaraldehyde and pairs with monoclonals 3F12-1 and 10E3-1-4 as coating antibodies.

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