

Monoclonal Antibody to DNP - IRDYE800

Alternate names:	2, 4-Dinitrophenol
Catalog No.:	AM08478D8-N
Quantity:	0.1 mg
Concentration:	1.0 mg/ml (by UV absorbance at 280 nm)
Background:	<p>Epitope tags are short peptide sequences that are easily recognized by tag-specific antibodies. Due to their small size, epitope tags do not affect the tagged proteins biochemical properties. Most often sequences encoding the epitope tag are included with target DNA at the time of cloning to produce fusion proteins containing the epitope tag sequence. This allows anti-epitope tag antibodies to serve as universal detection reagents for any tag containing protein produced by recombinant means. This means that anti-epitope tag antibodies are a useful alternative to generating specific antibodies to identify, immunoprecipitate or immunoaffinity purify a recombinant protein. The anti-epitope tag antibody is usually functional in a variety of antibody-dependent experimental procedures. Expression vectors producing epitope tag fusion proteins are available for a variety of host expression systems including bacteria, yeast, insect and mammalian cells. Rockland Immunochemicals produces anti-epitope tag antibodies against many common epitope tags including Myc, GST, GFP, 6X His, MBP, FLAG and HA.</p>
Host / Isotype:	Hamster / IgG
Clone:	3E10
Immunogen:	This monoclonal antibody was produced after repeated immunizations of armenian hamsters with DNP conjugated KLH
Format:	<p>State: Lyophilized Buffer System: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 containing 10 mg/ml BSA as stabilizer and 0.01% (w/v) Sodium Azide as preservative Label: IRDYE800 – IRDye(TM)800 (MW 1166.2) <i>Absorption / Emission:</i> 774 nm / 800 nm <i>Molar Ratio:</i> 3.0 moles IRDye(TM)800/mole of Armenian Hamster IgG Reconstitution: Restore with 0.1 ml of deionized water (or equivalent).</p>
Applications:	<p>Western Blot: 1:5,000. Immunofluorescence. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Specificity:	This antibody reacts to DNP.

Storage:

Prior to reconstitution store at 2-8°C.
Following reconstitution store the antibody undiluted at 2-8°C for one month
or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.