

Mouse Monoclonal Anti-DNP Antibody, iFluor® 750-Labeled

Catalog Number: 46875

Unit Size: 100 ug

Product Details

Storage Conditions	2-8°C with minimized light exposure. Do not freeze.
Expiration Date	12 months upon receiving
Concentration	1 mg/mL
Formulation	PBS, 0.2% (w/v) BSA

Unit Details

Reconstitution Volume	0.1 mL ddH ₂ O
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Antibody Properties

Clonality	Monoclonal (IgG2A)
Host	Mouse
Immunogen	DNP

Biological Properties

Stabilizer	BSA
Appearance	Solid
Soluble In	Water
Application	IF, ELISA, Flow Cytometry (FACS)

Spectral Properties

Conjugate	iFluor® 750
Excitation Wavelength	757 nm
Emission Wavelength	779 nm

Applications

Mouse Monoclonal Anti-DNP Antibody, iFluor® 750-Labeled is a monoclonal antibody that specifically binds to dinitrophenyl (DNP) moieties and is directly labeled with iFluor® 750, a near-infrared-emitting fluorophore excitable around 750 nm. This direct labeling format enables sensitive, single-step fluorescence detection of DNP-conjugated proteins, peptides, and small molecules.

The monoclonal antibody provides high specificity and lot-to-lot consistency, making it ideal for verifying DNP conjugation and detecting DNP-tagged molecules in fluorescence-based applications. Its near-infrared emission is well suited for multiplex immunofluorescence, *in vivo* imaging, and other applications requiring minimal spectral interference.