

Datasheet for ABIN7565836

anti-RFP antibody



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Overview

Quantity:	25 µL
Target:	RFP
Reactivity:	Discosoma
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This RFP antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP), Flow Cytometry (FACS), Fluorescence Microscopy (FM)

Product Details

Purpose:	RFP Antibody
Immunogen:	Immunogen: The immunogen is a Red Fluorescent Protein (RFP) fusion protein corresponding to the full-length amino acid sequence (234aa) derived from the mushroom anemone Discosoma. Immunogen Type: Recombinant Protein
Clone:	8E5-G7
Isotype:	IgG2a kappa
Cross-Reactivity (Details):	Expect reactivity against RFP and its variants: mCherry, tdTomato, mBanana, mOrange, mPlum, mOrange and mStrawberry.
Characteristics:	Synonyms: mouse anti-RFP Antibody, DsRed, rDsRed, Discosoma sp. Red Fluorescent Protein, Red fluorescent protein drFP583

Product Details

Purification:	Anti-RFP Monoclonal Antibody was purified from concentrated tissue culture supernate by Protein A chromatography.
Sterility:	Sterile filtered

Target Details

Target:	RFP
Alternative Name:	DsRed (RFP Products)
Background:	Background: Antibodies to RFP (Discosoma spp.) are intended for use in immunological assays including ELISA, Western blotting, immunohistochemistry, and flow cytometry. RFP Proteins are useful markers for imagining protein localization, monitoring physiological processes, and detecting transgenic expression. Rockland's anti-RFP antibody can be used to detect native RFP and RFP variants.
UniProt:	Q9U6Y8

Application Details

Application Notes:	Application Note: Monoclonal anti-RFP is designed to detect RFP and its variants. This antibody has been tested by ELISA and Western blot, and is suitable for use in FISH, IF, IHC, and multiplex assays based on published references. This antibody can be used to detect RFP by ELISA (sandwich or capture) for the direct binding of antigen. Optimal titers for applications should be determined by the researcher. Flow Cytometry Dilution: User Optimized Western Blot Dilution: 1:1,000 - 1:10,000 Immunoprecipitation Dilution: User Optimized ELISA Dilution: 1:75,000 - 1:150,000 IF Microscopy Dilution: User Optimized
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: None Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C

Storage Comment: Store Anti-RFP at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.

Expiry Date: 12 months