

Datasheet for ABIN7272904

Recombinant anti-RFP antibody[Go to Product page](#)

Overview

Quantity:	250 µg
Target:	RFP
Reactivity:	Discosoma
Host:	Alpaca
Expression System:	E.coli
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This RFP antibody is un-conjugated
Application:	Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Immunogen:	Our nanobodies bind specifically and strongly to DsRed, RFP, and mCherry, among others family members. Look at our specificity chart in the resource section.
Clone:	2B12
Fragment:	single-domain Antibody (sdAb)
Specificity:	MRFP and derivatives like mCherry, mScarlet-i, tdTomato, dsRed, mOrange
Purification:	Produced in: E.coli

Target Details

Target:	RFP
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Target Details

Alternative Name:	mRFP (RFP Products)
Background:	One of the first red-emitting fluorescent proteins (FP) described was DsRed from <i>Discosoma</i> sp. Only shortly after its publication in 1999 and including more than 20 mutations, a monomeric version with several enhanced characteristics was discovered, mRFP1. From this promising monomeric red-FP, dozens of monomeric variants have been described, from which mCherry represents one of the most popular derivatives.

Application Details

Application Notes:	Western Blotting not recommended. The sdAbs tend to recognize native protein conformation only.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute with 250 µL pure water for immediate use
Buffer:	sdAbs are lyophilized from 10 mM KPi pH 6.0, 150 mM NaCl, 1 mM EDTA pH 6.
Storage:	4 °C/-20 °C
Storage Comment:	Vials containing lyophilized protein can be stored at 4°C for up to 6 months. Vials containing reconstituted protein should be stored at -20°C or below.