ARG62344
anti-RFP antibody [RF5R]

Package: 100 µg, 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [RF5R] recognizes RFP
Tested Reactivity	Other
Tested Application	Dot, ELISA, ICC/IF, IHC-Fr, IP, WB
Specificity	Recognizes native and denatured forms of RFP and its variants: tag-RFP, turbo-RFP, DsRed, mCherry, mOrange, etc
Host	Mouse
Clonality	Monoclonal
Clone	RF5R
Isotype	IgG1
Target Name	RFP
Immunogen	RFP from the Discosoma sp. (sea anemone) N-terminal peptide-KLH conjugates.
Conjugation	Un-conjugated

Application Instructions

Application table

Application	Dilution
Dot	Assay-dependent
ELISA	Assay-dependent
ICC/IF	1:500-1:2000
IHC-Fr	Assay-dependent
IP	Assay-dependent
WB	1:1000-1:3000

Application Note: The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

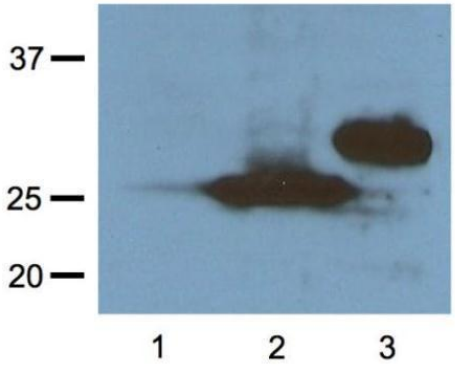
Form	Liquid
Purification Note	Protein A affinity chromatography from mouse ascites fluid.
Buffer	10mM PBS (pH 7.2) and 0.05% Sodium azide
Preservative	0.05% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

	freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 7011691 Other
Background	Since the molecular cloning of GFP cDNA and demonstration of GFP as a functional transgene, GFP has become a powerful tool with exciting applications in developmental, cell and molecular biology. RFP is the recent discovered protein that has the similar function and applications as GFP. Either GFP or RFP fluorescence is not species specific and can be expressed in bacteria, yeast, plant and mammalian cells. GFP or RFP can fuse with proteins of interest without interfering significantly with their assembly and function. DsRed (drFP583) is isolated from Discosoma striata and TurboRFP is isolated from Entacmaea quadricolor (Merzlyak et., al 2007), both proteins are Red fluorescent protein and useful to be reportor genes for cell and animal study.
Highlight	Related Antibody Duos and Panels: ARG30209 Fluorescent-Tags Antibody Panel Related products: RFP antibodies; RFP ELISA Kits; RFP Duos / Panels; Anti-Mouse IgG secondary antibodies;
Research Area	Controls and Markers antibody; Tag Internal Control antibody; Fluorescent-Tags antibody

Images



ARG62344 anti-RFP antibody [RF5R] WB image

Western Blot: HEK293 cells transfected with RFP-tagged protein vector; (1) untransfected and (2) transfected with Turbo-RFP (2), and (3) transfected with DsRed stained with ARG62344 anti-RFP antibody [RF5R] at 1:1000 (1 µg/mL) dilution