

RFP

Cat.No. 390 005; Polyclonal Guinea pig antibody, 50 µg specific antibody (lyophilized)

Data Sheet

Reconstitution/ Storage	50 µg specific antibody, lyophilized. Affinity purified with the immunogen. Guinea pig serum albumin was added for stabilization. For reconstitution add 50 µl H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	WB: not recommended IP: not tested yet ICC: 1 : 500 up to 1 : 1000 IHC: 1 : 200 up to 1 : 500 IHC-P/FFPE: not tested yet
Immunogen	Recombinant protein corresponding to AA 1 to 225 from sea anemone RFP (UniProt Id: Q9U6Y8)
Epitop	Epitop: AA 1 to 236 from sea anemone RFP (UniProt Id: Q9U6Y8)
Specificity	Recognizes mRFP, mCherry, mOrgange2, dsRed, tdTomato, mScarlet.

TO BE USED IN VITRO / FOR RESEARCH ONLY
NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

Red fluorescent protein **RFP** and its derivatives have become universal tools in cell biology. Most RFPs derive from a protein isolated from *Discosoma* sp. They are used as fluorescent tags to investigate expression levels, patterns and protein localization.

Selected General References

Ubiquitous expression of the monomeric red fluorescent protein mCherry in transgenic mice.
Fink D, Wohrer S, Pfeffer M, Tombe T, Ong CJ, Sorensen PH
Genesis (New York, N.Y. : 2000) (2010) 48(12): 723-9.

Improved monomeric red, orange and yellow fluorescent proteins derived from *Discosoma* sp. red fluorescent protein.
Shaner NC, Campbell RE, Steinbach PA, Giepmans BN, Palmer AE, Tsien RY
Nature biotechnology (2004) 22(12): 1567-72.

Diversity and evolution of the green fluorescent protein family.
Labas YA, Gurskaya NG, Yanushevich YG, Fradkov AF, Lukyanov KA, Lukyanov SA, Matz MV
Proceedings of the National Academy of Sciences of the United States of America (2002) 99(7): 4256-61.

Novel fluorescent protein from *Discosoma* coral and its mutants possesses a unique far-red fluorescence.
Fradkov AF, Chen Y, Ding L, Barsova EV, Matz MV, Lukyanov SA
FEBS letters (2000) 479(3): 127-30.