

Data Sheet

FluoTag-Q anti-RFP, Fluorophore-conjugated

Fluorophore	Catalog No. (20µl)	Catalog No. (200µl)
Atto488	N0401-At488-S	N0401-At488-L
Atto542	N0401-At542-S	N0401-At542-L
Atto565	N0401-At565-S	N0401-At565-L
Atto647N	N0401-At647N-S	N0401-At647N-L
Abberior®Star 580	N0401-Ab580-S	N0401-Ab580-L
Abberior®Star 635P	N0401-Ab635P-S	N0401-Ab635P-L
Sulfo-Cyanine 3	N0401-SC3-S	N0401-SC3-L
Sulfo-Cyanine 5	N0401-SC5-S	N0401-SC5-L

Identity Camelid sdAb anti-RFP; Clone 2B12

Content 5 µM fluorescently labeled sdAb in buffered saline,
50% glycerol, 0.09% sodium azide.

Labeling Degree of labeling > 95%

Storage Up to 3 months: -20 °C
Up to 12 months: -80 °C or below
Protect from light!

Applications IF / ICC Recommended dilution 1:1000

Specificity Recognizes most common red fluorescent proteins
like mRFP, mCherry, dsRed, tdTomato and mScarlet.

Does not cross-react with GFP or mTagBFP
derivatives.

For more information please visit our web page at www.nano-tag.com

To be used *in vitro* / for research only.
Non-toxic, non-hazardous, non-infectious.

Specificity Table

Fluorescent Protein	FluoTag-Q/-X4 anti-GFP N0301 / N0304	FluoTag-Q/-X4 anti-RFP N0401 / N0404	FluoTag-Q/-X2 anti-TagFP N0501 / N0502
Sirius	++ ⁽¹⁾	–	–
tSapphire	++	–	–
Cerulean	++	–	–
eCFP	++	–	–
mTurquoise, mTurquoise2	++	–	–
acGFP	+	–	–
EGFP	++	–	–
Emerald GFP	++	–	–
mEGFP (A206K)	++	–	–
mEGFP (L221K)	++	–	–
superecliptic pHluorin	+	–	–
paGFP	+	–	–
superfolder GFP	++	–	–
eYFP	+	–	–
mVenus	++	–	–
Citrine	+	–	–
mOrange2	–	+ ⁽²⁾	–
dsRed1, dsRed2	–	++ ⁽²⁾	–
tdTomato	–	++ ⁽²⁾	–
mRFP	–	+	–
mCherry	–	++	–
mScarlet-i	–	++	–
mTagBFP	–	–	++
mKate, mKate2	–	–	++
mTagRFP	–	–	++
mTagRFP657	–	–	++
Dendra2	–	–	–
Dronpa	–	–	–
tdEOS	–	–	–
mEOS3.2	–	–	–
mRuby3	–	–	–
mTFP (mTeal)	–	–	–

++: **strong positive signal**; + **positive signal**; – **no signal**

⁽¹⁾ Recognized only by clone 1H1 ⁽²⁾ Recognized only by clone 2B12