

Product Name

Monoclonal Mouse
Anti-Fluorescent Protein Immunoglobulin, clone 3A6
(eg. BFP, GFP, YFP, etc.)

CAT No.

MQ 6.102-100

LOT No.

TD6.102-100-1229-08

Quantity

100 µg

Edition: February 1, 2012

Intended use

This product is for research use only. NOT for use in diagnostic or therapeutic procedures.

This product is tested for use in enzyme-linked immunosorbent assay (ELISA), immunoblotting (IB) or immunoprecipitation (IP).

Reagent provided

The antibody has been lyophilized in a 10 mM ammonium bicarbonate buffer. Each vial contains 2 mg BSA.

Isotype

Mouse IgG1

Immunogen

Recombinant EBFP (NCBI accession number AX_766758 REGION: 1-717, expression vector pGEX-1N), expressed in *E.coli*.

Specificity

Specificity has been tested in ELISA (figure 1) and immunoblotting. In immunoblot the antibody cross reacts with GFP (figure 2) and YFP. Additional tests for cross reactivity have not yet been performed.

Purity

Protein A purified.

Precautions

1. For professional users.
2. As with any product derived from biological sources, proper handling procedures should be used.
3. The product may be used in different techniques and in combination with different sample types and materials, therefore each individual laboratory should validate the applied test system.

Preparation of the antibody

- Recommended antibody concentration: 0.5 mg/ml (when dissolved at 0.5 mg/ml, the BSA concentration will be 1%).
- Recommended solvent; 100 mM PBS or Tris-HCl, pH 7.0
- Additional sodium azide (up to 0.05%) is recommended for long term storage.
- For a 0.5 mg/ml antibody concentration in 1% BSA, dissolve in 200 µl buffer.

NOTE: Be careful opening the vial since the antibody resides in a vacuum.

Storage instructions

Dissolve the antibody and store at 2-8°C.

Dilution guidelines

ELISA: 1:(1500 x F) – 1:(3000 x F).

Immunoblotting: 1:(500 x F) – 1:(1000 x F)

 ImmunoPrecise

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Other applications: since applications vary, you should determine the optimum working dilution of the product that is appropriate for your specific need.

For the value of the multiplication factor F, see label on vial.

Unless the stability in the actual test system has been established, it is recommended to dilute the product immediately before use.

Relevance

Fluorescent proteins, like EBFP, can be used as protein "tags" to study the subcellular localization of proteins and/or their translocation upon stimulation and/or as markers for transfections in transient and stable expression systems.

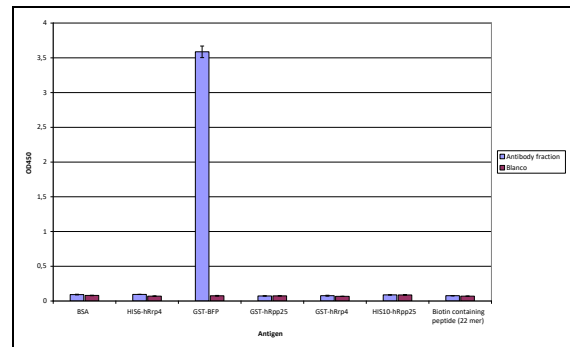


Figure 1: Specificity of Anti-Fluorescent Protein Immunoglobulin, clone 3A6, determined by ELISA. Antibody fraction (0.5 mg/ml) 1600X diluted in PBS containing 0,05% tween-20 and 5% non fat dry milk. Antibody was tested on various recombinant protein substrates i.e. BSA, 98% (Sigma), HIS6-hRrp4 (pET15b), GST-hRpp25 (pGEX-2T), GST-hRrp4 (pGEX-2T), HIS10-hRpp25 (pET16b), and a biotin containing peptide (22 mer).

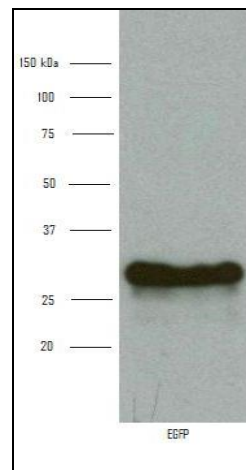


Figure 2: Specificity of Anti-Fluorescent Protein Immunoglobulin, clone 3A6, determined by immunoblot analysis. Blot contains total cell extract containing recombinant EGFP (predicted band size 27 kDa). Incubated with antibody fraction (0.5 mg/ml) 1000X diluted in PBS containing 0,05% tween-20 and 5% non fat dry milk.