

Anti-tRFP antibody

| Product | Cat.# | Lot.# | Size |
|--------------------|--------------|-------------|--------|
| Anti-tRFP antibody | AB233 | 23301300512 | 100 µg |
| | AB234 | 23402300512 | 200 µg |

Use

- Western blot
- Immunoblotting
- ICC
- ELISA

Description

Rabbit polyclonal antibody against TurboRFP, TurboFP602, TurboFP635, TurboFP650, NirFP, TagBFP, TagRFP, FusionRed, TagFP635, mKate2 and PA-TagRFP.

Specificity: The antibody has been selected to recognize both denatured and native TurboRFP, TurboFP602, TurboFP635, TurboFP650, NirFP, TagBFP, TagRFP, FusionRed, TagFP635, mKate2 and PA-TagRFP.

Immunogen: Full-length recombinant denatured and non-denatured TagRFP comprising 6XHis tag.

Antibody preparation: Full-length recombinant TagRFP comprising 6XHis tag was purified from transformed *E. coli* using metal-ion affinity chromatography. Antibodies were produced in rabbits immunized with the mixture of recombinant denatured and non-denatured TagRFP. Specific IgG were purified by TagRFP affinity chromatography.

Formulation: Lyophilized from the buffer containing 0.1% mannitol, 0.1% dextran, 0.1M NaCl, 0.01M Na₂HPO₄, and 0.01M NaBO₃; pH 7.4.

Reconstitution: Reconstitute with sterile water or 50% glycerol to a concentration of 1 mg/ml.

Storage: Lyophilized samples are stable for twelve months from date of receipt when stored at -20°C. The presence of silica gel drier is advisable.

Reconstituted with sterile water, antibody can be stored at +2 - +8°C for three months without detectable loss of activity.

Reconstituted with 50% glycerol, antibody can be stored at -20°C in a manual defrost freezer for six months without detectable loss of activity. Aliquot antibody upon reconstitution. Avoid repeated freeze / thaw cycles.

Recommendations for use

The antibody can be used to recognize TurboRFP, TurboFP602, TurboFP635, TurboFP650, NirFP, TagBFP, TagRFP, FusionRed, TagFP635, mKate2 and PA-TagRFP proteins and their fusions.

Working concentrations:

For Western blot use at a dilution of 1:5 000 - 1:10 000;

For ELISA use at a dilution of 1:50 000 - 1:100 000;

For immunocytochemistry use at a dilution of 1:5 000.

Note: Optimal dilutions/concentrations should be determined by the end user.

Tissue (cells) fixation for immunohistochemistry: Formaldehyde (formalin, paraform) fixation is recommended. For example, tissues can be fixed in PBS containing 4% formaldehyde for 10-15 min, treated with 0.1% saponin in PBS for 10-15 min, and washed three times in PBS.

Sample preparation for Western blot: To a sample containing 10-100 ng of a target protein, add an equal volume of 2x SDS-PAGE sample buffer. Heat the sample at 95°C before loading on a gel or spotting on a membrane (for dots).

Notice to Purchaser:

These products are intended for research purposes only.

MSDS information is available at <http://www.evrogen.com/MSDS.shtml>