

**Catalogue No.**

AB181488-100

**Qty:**

250 µg

## Anti-tdTomato, DyLight®488

**Source:** Goat

**General description:** Goat polyclonal antibody to tdTomato (red fluorescent protein) conjugated to DyLight® 488. tdTomato protein is derived from DsRed, an engineered red fluorescent protein from so-called disc corals of the genus *Discosoma*. It is a genetic fusion of two copies of the dTomato gene, which has been specifically designed for low aggregation. It's brightness and emission wavelength, makes it ideal for live animal research.

**Alternative names:** Cherry fluorescent protein; DsRed, mCherry, red fluorescent protein, RFP antibody.

**Form:** Polyclonal antibody supplied as a 100 µl (2.5 mg/ml) aliquot in PBS, 20% glycerol, 0.05% ProClin® and 0.05% sodium azide. This antibody is epitope-affinity purified from goat antiserum.

**Immunogen:** Purified recombinant peptide produced in *E. coli*.

**Specificity:** In 293HEK cells transfected with cds plasmid detects a band of 55 kDa by Western blot. It also detects tdTomato in brain sections by IHC. This antibody is specific for tdTomato and mCherry proteins. It does not cross-react to GFP (green fluorescent protein).

**Reactivity:** Reacts with Transfected cells proteins

| Sample            | WB  | IHC (F) | IHC (P) | IF  | ELISA | IEM |
|-------------------|-----|---------|---------|-----|-------|-----|
| Transfected cells | +++ | +++     | ND      | +++ | ND    | ND  |

+++ excellent, ++ good, + poor, ND not determined

**Usage:**

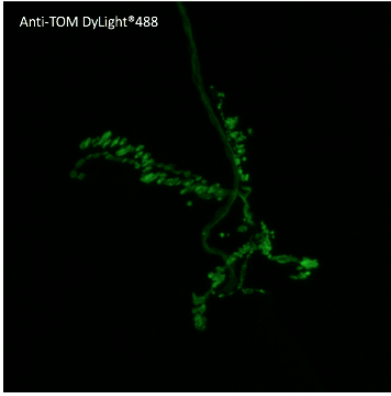
WB: 1:500-1:2,000

IHC (F): 1:50-1:1,000

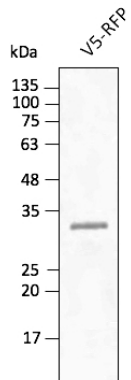
IF: 1:50-1:500

**Storage:** Store at -20 C for long-term storage. Store at 2-8 C for up to one month.

**Special instructions:** Avoid freeze/thaw cycles..



Immunofluorescence in *Drosophila* larvae expressing tdTomato fusion protein in neurons using anti-tdTomato conjugated to DyLight®488 at 1/500;



Anti-tdTomato Ab conjugated to DyLight® 488 at 1/2,500 dilution using HEK293 transfected cell lysates at 50 µg per lane;

For research use only, not for diagnostic use

**SICGEN's Proprietary Immunogen Policy**

In order to produce high specific antibodies SICGEN has invested a lot of time and effort into selecting immunogen sequences. SICGEN has decided to protect this information by not publishing it on the website. However, these sequences are available on request.