

# TurboGFP recombinant antibody, VHH-rabbit IgG Fc fusion [CTK0204]



Product code: tbfrb

## Properties

|                                 |  |
|---------------------------------|--|
| <b>Description</b>              | Rabbit monoclonal antibody to TurboGFP. Recombinant fusion of anti-TurboGFP Nanobody (VHH) [CTK0204] and rabbit IgG Fc domain. |
| <b>Target / Specificity</b>     | TurboGFP   |
| <b>Species Specificity</b>      | Recombinant protein from <i>Pontellina plumata</i>   |
| <b>GenBank Accession Number</b> | AY268072   |
| <b>GeneID (NCBI)</b>            | N/a  |
| <b>Product Type</b>             | Primary antibody; chimeric fusion of Nanobody (VHH) and rabbit IgG Fc domain   |
| <b>Format</b>                   | Recombinant monoclonal rabbit antibody   |
| <b>Source</b>                   | Rabbit, recombinantly produced   |
| <b>Isotype / Subclass</b>       | Rabbit IgG (CH2 and CH3 domain of rabbit IgG)  |
| <b>Clonality</b>                | Monoclonal   |
| <b>Clone</b>                    | CTK0204  |
| <b>RRID</b>                     | AB_2889371   |
| <b>Immunogen</b>                | Purified recombinant TurboGFP [ <i>Pontellina plumata</i> ]  |
| <b>Conjugate</b>                | Unconjugated   |
| <b>Purification Method</b>      | Recombinantly expressed and purified by IMAC.<br><i>Note: Recombinant VHH-Fc fusion antibody carries a His-tag.</i>            |
| <b>Form</b>                     | Buffered aqueous solution  |
| <b>Concentration</b>            | 1000 µg/mL   |
| <b>Calculated MW</b>            | 70.0 kDa   |
| <b>Tested Applications</b>      | IF   |
| <b>Positive Control</b>         | IF: HeLa cells transfected with Actin-Chromobody®-TurboGFP   |
| <b>Cited Applications</b>       |  |
| <b>Recommended Dilutions</b>    | IF/ICC: 1:400 - 1:2,000  |
| <b>Storage Buffer</b>           | PBS, 10% glycerol<br>Preservative: 0.02 % sodium azide, safety datasheet (SDS): sodium azide                                   |
| <b>Storage Conditions</b>       | Aliquot upon receipt and store at -20°C/-4°F. Avoid freeze-thaw cycles.  |
| <b>Stability</b>                | Stable for 1 year at -20°C/-4°F after shipment.  |
| <b>Shipment</b>                 | Shipped on ice   |

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|          |   |
|----------|---|
| Size     | 20 µL; 100 µL   |
| Synonyms | VHH, Nanobody, alpaca single domain antibody, binding domain of single domain antibody, Nano-antibody |

## Selected validation data

### Immunofluorescence

Spin down material before use!

Dilute the antibody 1:400 - 1:2,000 in blocking buffer (e.g. PBS supplemented with 4% BSA) and incubate for 1 h at room temperature.



*HeLa cells transiently expressing Actin-Chromobody®-TurboGFP were immunostained with TurboGFP recombinant antibody, VHH-rabbit IgG Fc fusion [CTK0204] (tbfrb-20, 1:1,000) and Nano-Secondary® alpaca anti-human IgG/anti-rabbit IgG, recombinant VHH, Alexa Fluor® 647 [CTK0101, CTK0102] (srbAF647-1, 1:1,000). Scale bar, 10 µm.*

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## Product overview and related products

| TurboGFP toolbox  | Product code           |
|---|------------------------|
| TurboGFP-Trap Agarose   | tbta-10; -20; -100     |
| TurboGFP-Trap Agarose Kit   | tbtak-20               |
| TurboGFP-Trap Magnetic Agarose  | tbtma-10; -20; -100    |
| TurboGFP-Trap Magnetic Agarose Kit  | tbtmak-20              |
| IST TurboGFPn-Trap Kit (for IP/MS)  | tbtak-IST-8            |
| Binding Control Agarose   | bab-20                 |
| Binding Control Magnetic Agarose  | bmab-20                |
| Spin columns  | sct-10; sct-20; sct-50 |
| TurboGFP VHH, recombinant binding protein   | tbt-250                |
| TurboGFP recombinant antibody, VHH-mouse IgG1 Fc fusion [CTK0204]   | tbfrms-20; -100        |
| TurboGFP recombinant antibody, VHH-rabbit IgG Fc fusion [CTK0204]   | tbfrb-20; -100         |
| Nano-Secondary <sup>®</sup> alpaca anti-mouse IgG1, recombinant VHH, Alexa Fluor <sup>®</sup> 488 [CTK0103, CTK0104]                | sms1AF488-1-10; -100   |
| Nano-Secondary <sup>®</sup> alpaca anti-mouse IgG1, recombinant VHH, Alexa Fluor <sup>®</sup> 568 [CTK0103, CTK0104]                | sms1AF568-1-10; -100   |
| Nano-Secondary <sup>®</sup> alpaca anti-mouse IgG1, recombinant VHH, Alexa Fluor <sup>®</sup> 647 [CTK0103, CTK0104]                | sms1AF647-1-10; -100   |
| Nano-Secondary <sup>®</sup> alpaca anti-human IgG/anti-rabbit IgG, recombinant VHH, Alexa Fluor <sup>®</sup> 488 [CTK0101, CTK0102] | srbAF488-1-10; -100    |
| Nano-Secondary <sup>®</sup> alpaca anti-human IgG/anti-rabbit IgG, recombinant VHH, Alexa Fluor <sup>®</sup> 568 [CTK0101, CTK0102] | srbAF568-1-10; -100    |
| Nano-Secondary <sup>®</sup> alpaca anti-human IgG/anti-rabbit IgG, recombinant VHH, Alexa Fluor <sup>®</sup> 647 [CTK0101, CTK0102] | srbAF647-1-10; -100    |

For product details, information, and ordering visit [www.chromotek.com](http://www.chromotek.com) and [www.ptglab.com](http://www.ptglab.com).

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## Disclaimer

Only for research applications, not for diagnostic or therapeutic use!

The VHH-Fc fusion recombinant antibodies have been developed in collaboration with Absolute Antibody Ltd.

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