

# Product Datasheet

## CRTH-2/GPR44 Antibody [CoraFluor™ 1] NBP1-76755CL1

Unit Size: 0.1 ml

Store at 4C in the dark. Do not freeze.

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**NBP1-76755CL1**

CRTH-2/GPR44 Antibody [CoraFluor™ 1]

| Product Information         |  |
|-----------------------------|--|
| Unit Size                   | 0.1 ml   |
| Concentration               | Please see the vial label for concentration. If unlisted please contact technical services.  |
| Storage                     | Store at 4C in the dark. Do not freeze.  |
| Clonality                   | Polyclonal   |
| Preservative                | No Preservative  |
| Isotype                     | IgG  |
| Conjugate                   | CoraFluor 1  |
| Purity                      | Peptide affinity purified  |
| Buffer                      | PBS  |
| Product Description         |  |
| Description                 | <p>CoraFluor(TM) 1 is a high performance terbium-based TR-FRET (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence) donor for high throughput assay development. CoraFluor(TM) 1 absorbs UV light at approximately 340 nm, and emits at approximately 490 nm, 545 nm, 585 nm and 620 nm. It is compatible with common acceptor dyes that absorb at the emission wavelengths of CoraFluor(TM) 1. CoraFluor(TM) 1 can be used for the development of robust and scalable TR-FRET binding assays such as target engagement, ternary complex, protein-protein interaction and protein quantification assays.</p> <p><a href="#">CoraFluor(TM) 1, amine reactive</a></p> <p><a href="#">CoraFluor(TM) 1, thiol reactive</a></p> <p>For more information, please see our <a href="#">CoraFluor(TM) TR-FRET technology flyer</a>.</p> |
| Host                        | Rabbit   |
| Gene ID                     | 11251  |
| Gene Symbol                 | PTGDR2   |
| Species                     | Human, Mouse, Rat, Guinea Pig  |
| Reactivity Notes            | Guinea Pig reactivity reported in scientific literature (PMID: 25917171).  |
| Specificity/Sensitivity     | At least two different isoforms of CRTH2 are known to exist; this antibody will detect both isoforms.  |
| Immunogen                   | Antibody was raised against a 18 amino acid synthetic peptide from near the amino terminus of human CRTH2. The immunogen is located within the first 50 amino acids of CRTH2. Amino Acid Sequence: EQMSRLQSHSNTSIRYID  |
| Notes                       | CoraFluor (TM) is a trademark of Bio-Techne Corp. Sold for research purposes only under agreement from Massachusetts General Hospital. US patent 2022/0025254  |
| Product Application Details |  |
| Applications                | Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry   |
| Recommended Dilutions       | Western Blot, ELISA, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin   |



## Images

CoraFluor™ 1, amine reactive (Catalog:7920) and CoraFluor™ 2, amine reactive (Catalog # 7950) are terbium-based probes that have been developed for use as TR-FRET donors. They emit wavelengths compatible with commonly used fluorescent acceptor dyes such as BODIPY® (or BDY) and Janelia Fluor® dyes, FITC (Catalog # 5440), TMR and Cyanine 5 (Catalog # 5436). CoraFluor™ fluorescence is brighter and more stable in biological media than existing TR-FRET donors, leading to enhanced sensitivity and improved data generation. CoraFluor™ 1 exhibits excitation upon exposure to a 337 nm UV laser.





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### **Products Related to NBP1-76755CL1**

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|               |   |
|---------------|---|
| NBP2-24891CL1 | Rabbit IgG Isotype Control [CoraFluor™ 1] |
| NBP1-76755PEP | CRTH-2/GPR44 Antibody Blocking Peptide    |
| 210-TA-005    | TNF-alpha [Unconjugated]                  |
| NBL1-11281    | CRTH-2/GPR44 Overexpression Lysate        |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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