

# Product Datasheet

## Activin RIB/ALK-4 Antibody [CoraFluor™ 1] AF1477CL1

Unit Size: 0.1 ml

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

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**AF1477CL1**

Activin RIB/ALK-4 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              | Antigen 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                    | Goat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Gene ID                 | 91                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Gene Symbol             | ACVR1B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Species                 | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Specificity/Sensitivity | Detects mouse Activin RIB/ALK $\square$ 4 in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 50% cross $\square$ reactivity with recombinant human (rh) Activin RIB is observed, 5% cross $\square$ reactivity with rhActivin R1A is observed and less than 1% cross $\square$ reactivity with rhActivin RIIA and rhActivin RIIB is observed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Immunogen               | Mouse myeloma cell line NS0-derived recombinant mouse Activin RIB/ALK $\square$ 4 Leu32-Glu126<br>Accession # Q61271                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 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, Blockade of Receptor-ligand Interaction |
| Recommended Dilutions       | Western Blot, Immunohistochemistry, Blockade of Receptor-ligand Interaction |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined.      |





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### **Products Related to AF1477CL1**

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|                |                                               |
|----------------|-----------------------------------------------|
| NBP2-39003PEP  | Activin RIB/ALK-4 Recombinant Protein Antigen |
| 7754-BH-005/CF | TGF-beta 1 [Unconjugated]                     |
| 808-AR-100     | Activin RIB/ALK-4                             |
| 236-EG-200     | EGF [Unconjugated]                            |

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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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