

Product Datasheet

Actin Antibody (3B3) [CoraFluor™ 1] NBP1-97723CL1

Unit Size: 0.1 ml

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

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NBP1-97723CL1

Actin Antibody (3B3) [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 | Monoclonal |
| Clone | 3B3 |
| Preservative | No Preservative |
| Isotype | IgG1 |
| Conjugate | CoraFluor 1 |
| Purity | Protein A or G purified |
| Buffer | PBS |

| Product Description | |
|-------------------------|---|
| Description | 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(IM) 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. |
| Host | Mouse |
| Gene ID | 58 |
| Gene Symbol | ACTA1 |
| Species | Human, Rat, Porcine, Goat, Rabbit |
| Reactivity Notes | The epitope recognized by Clone 3B3 is highly conserved and the antibody is therefore expected to react with many other species. |
| Specificity/Sensitivity | This antibody highly specific for alpha-skeletal actin, and does not cross react with other actin isoforms. |
| Immunogen | This antibody is a mouse monoclonal IgG1 antibody derived by fusion of NS0 Mouse myeloma cells with spleen cells from a BALB/c Mouse immunized with a peptide comprising the N-terminal nonapeptide of alpha-skeletal actin with an acetylated N-terminus (Ac-DEDETTALVC-COOH) coupled to keyhole limpet hemocyanin through the cysteine residue. |
| 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, ELISA, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin |
| Recommended Dilutions | Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen |
| Application Notes | Optimal dilution of this antibody should be experimentally determined. |



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Products Related to NBP1-97723CL1

| | |
|--------------------|--|
| H00000058-P01-10ug | Recombinant Human Actin GST (N-Term) Protein |
| 664-LI-025 | LIGHT/TNFSF14 [Unconjugated] |
| NBP2-66422 | Human Actin ELISA Kit (Chemiluminescence) |
| NB300-223 | Vimentin Antibody |

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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