

# Product Datasheet

## Actin Alpha 1 Cardiac Muscle Antibody (22D3) [Allophycocyanin] NBP1-97725APC

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP1-97725APC**

Actin Alpha 1 Cardiac Muscle Antibody (22D3) [Allophycocyanin]

| 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.                                                                    |
| Clonality           | Monoclonal                                                                                  |
| Clone               | 22D3                                                                                        |
| Preservative        | 0.05% Sodium Azide                                                                          |
| Isotype             | IgG1                                                                                        |
| Conjugate           | Allophycocyanin                                                                             |
| Purity              | Protein A or G purified                                                                     |
| Buffer              | PBS                                                                                         |

| Product Description     |                                                                                                                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description             | This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.                                                                                                                  |
| Host                    | Mouse                                                                                                                                                                                                                                                                                                  |
| Gene ID                 | 70                                                                                                                                                                                                                                                                                                     |
| Gene Symbol             | ACTC1                                                                                                                                                                                                                                                                                                  |
| Species                 | Human, Mouse, Rat, Porcine, Bovine, Goat, Rabbit, Zebrafish                                                                                                                                                                                                                                            |
| Reactivity Notes        | The epitope recognized by this antibody is highly conserved; the antibody therefore cross-reacts with many species<br>Bovine reactivity reported in scientific literature (PMID: 30591979). Mouse reactivity reported in scientific literature (PMID: 28624189).                                       |
| Specificity/Sensitivity | This antibody is highly specific for actin alpha 1 (cardiac), and does not cross react with other actin isoforms.                                                                                                                                                                                      |
| Immunogen               | 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 Actin Alpha 1 Cardiac Muscle with an acetylated N-terminus (Ac-DDEETALVC-COOH) coupled to keyhole limpet hemocyanin through the cysteine residue. |

| Product Application Details |                                                                                                                                               |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Applications                | Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen |
| Recommended Dilutions       | Western Blot, ELISA, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen |
| Application Notes           | .                                                                                                                                             |



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**Products Related to NBP1-97725APC**

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|                    |                                                                     |
|--------------------|---------------------------------------------------------------------|
| NBP1-97005APC      | Mouse IgG1 Isotype Control (MG1) [Allophycocyanin]                  |
| NBP1-97725UV       | Actin Alpha 1 Cardiac Muscle Antibody (22D3) [DyLight 350]          |
| H00000070-P01-10ug | Recombinant Human Actin Alpha 1 Cardiac Muscle GST (N-Term) Protein |
| NBL1-07273         | Actin Alpha 1 Cardiac Muscle 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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