

# Product Datasheet

## Actin Alpha 1 Cardiac Muscle Antibody (22D3) [Alexa Fluor® 405] NBP1-97725AF405

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP1-97725AF405**

Actin Alpha 1 Cardiac Muscle Antibody (22D3) [Alexa Fluor® 405]

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	Alexa Fluor 405
Purity	Protein A or G purified
Buffer	50mM Sodium Borate
Product Description	
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  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.
Notes	Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or <a href="mailto:outlicensing@lifetech.com">outlicensing@lifetech.com</a> . 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.

**Product Application Details**

<b>Applications</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen





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### **Products Related to NBP1-97725AF405**

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NBP1-97005AF405	Mouse IgG1 Isotype Control (MG1) [Alexa Fluor® 405]
NBP1-97725AF488	Actin Alpha 1 Cardiac Muscle Antibody (22D3) [Alexa Fluor® 488]
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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