

# Product Datasheet

## **Caldesmon/CALD1 Antibody (rCALD1/820) [Alexa Fluor® 647] NBP3-08326AF647**

Unit Size: 100 ul

Store at 4C in the dark.

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Updated 10/26/2023 v.20.1

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**NBP3-08326AF647**

Caldesmon/CALD1 Antibody (rCALD1/820) [Alexa Fluor® 647]

Product Information	
Unit Size	100 ul
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	rCALD1/820
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Conjugate	Alexa Fluor 647
Purity	Protein A or G purified
Buffer	50mM Sodium Borate
Product Description	
Host	Mouse
Gene ID	800
Gene Symbol	CALD1
Species	Human
Reactivity Notes	Does not react with rat. Others not known.
Marker	Smooth Muscle Marker
Specificity/Sensitivity	Recognizes a protein of 150kDa, which is identified as the high molecular weight variant of Caldesmon. Two closely related variants of human caldesmon have been identified which are different in their electrophoretic mobility and cellular distribution. The h-caldesmon variant (120 150kDa) is predominantly expressed in smooth muscle whereas l-caldesmon (70 80kDa) is found in non- muscle tissue and cells. Neither of the two variants has been detected in skeletal muscle. This monoclonal antibody recognizes only the 150kDa variant (h-caldesmon) in Western blots of human aortic media extracts and is unreactive with fibroblast extracts from cultivated human foreskin. Caldesmon is a developmentally regulated protein involved in smooth muscle and non-muscle contraction.
Immunogen	Recombinant full-length human Caldesmon/CALD1 protein (Uniprot: Q05682 )



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<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot, Immunohistochemistry-Paraffin
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.

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**Products Related to NBP3-08326AF647**

IC002R	Mouse IgG1 Isotype Control (11711) [Alexa Fluor® 647]
H00000800-P01-10ug	Recombinant Human Caldesmon/CALD1 GST (N-Term) Protein
H00000800-T01	Caldesmon/CALD1 293T Cell Transient Overexpression Lysate
NBP2-22203	ERK1 Antibody (1E5)

**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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