

Product Datasheet

Caldesmon/CALD1 Antibody (SPM168) [mFluor Violet 610 SE] NBP2-47817MFV610

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP2-47817MFV610

Caldesmon/CALD1 Antibody (SPM168) [mFluor Violet 610 SE]

| 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 | SPM168 |
| Preservative | 0.05% Sodium Azide |
| Isotype | IgG1 Kappa |
| Conjugate | mFluor Violet 610 SE |
| Purity | Protein A or G purified |
| Buffer | 50mM Sodium Borate |
| Product Description | |
| Host | Mouse |
| Gene ID | 800 |
| Gene Symbol | CALD1 |
| Species | Human |
| 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 (12080kDa) 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 | Crude human uterus extract |
| Notes | mFluor(TM) is a trademark of AAT Bioquest, Inc. 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 | |
| Applications | Western Blot, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, Immunofluorescence |
| Recommended Dilutions | Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin, Immunofluorescence, CyTOF-ready |
| Application Notes | Optimal dilution of this antibody should be experimentally determined. |

Images

Caldesmon/CALD1 Antibody (SPM168) [mFluor Violet 610 SE] [NBP2-47817MFV610] - Vial of mFluor Violet 610 conjugated antibody. mFluor Violet 610 is optimally excited at 421 nm by the Violet laser (405 nm) and has an emission maximum of 613 nm.



mFluor™ Violet 610

| LASER (nm) | FILTER |
|--------------|--------|
| Violet (405) | 605/30 |

| EXCITATION MAX (nm) | EMISSION MAX (nm) |
|---------------------|-------------------|
| 421 | 613 |



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Products Related to NBP2-47817MFV610

| | |
|--------------------|---|
| 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) |
| MAB4470 | Myosin Heavy Chain Antibody (MF20) [Unconjugated] |

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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