

Mouse anti-CALDESMON (HMW), clone H-CALD (Monoclonal)

Clone no. H-CALD

MONOSAN

Product name	Mouse anti-CALDESMON (HMW), clone H-CALD (Monoclonal)
Host	Mouse
Applications	IHC-P (1:400-1:800)
Species reactivity	Human
Conjugate	-
Immunogen	Crude human uterus extract
Isotype	IgG, kappa
Clonality	Monoclonal
Clone number	H-CALD
Size	1 ml
Concentration	n/a
Format	Concentrate
Storage buffer	Bioreactor Concentrate with 0.05% Azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

Mouse anti-CALDESMON (HMW), clone H-CALD (Monoclonal)

Clone no. H-CALD

MONOSAN

Additional info

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 MAb 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.

Pretreatment: Heat induced epitope retrieval in 10 mM citrate buffer, pH6.0, for 20 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections. Note: Dilution of the antibody in 10% normal goat serum followed by a goat anti-mouse secondary antibody-based detection is recommended. Control tissue Uterus, blood vessels, smooth muscle or leiomyosarcoma. Staining Cytoplasmic

References

1. Frid MG, et al. Dev Biol 1992; 153:185
2. -
3. -
4. -
5. -

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES