

### HsMyoD1 ChIP probe ab83599

#### 製品の概要

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製品名	HsMyoD1 ChIP probe
特記事項	Accession number: NM_002478. The HsMYOD1 primers and probe can be used to quantify a control locus in chromatin immunoprecipitation (ChIP) assays with chromatin prepared from human cells. MYOD1 (Myoblast determination protein 1) is involved in muscle development. The primers and probe are located in exon 1. In most cell types MYOD1 is enriched with histone modifications associated with silencing (e.g. Histone H3 K27 di methylation, see image with <a href="#">ab24684</a> ). Whereas it shows low levels of histone modifications associated with active gene transcription such as Histone H3 K9 acetylation (see image with <a href="#">ab4441</a> ).
アプリケーション	適用あり: Real Time PCR

#### 製品の特性

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製品の状態	Liquid
保存方法	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Store in the dark. Avoid repeated freeze / thaw cycles.
バッファー	Constituent: Water
機能	Involved in muscle differentiation (myogenic factor). Induces fibroblasts to differentiate into myoblasts. Activates muscle-specific promoters. Interacts with and is inhibited by the twist protein. This interaction probably involves the basic domains of both proteins.
配列類似性	Contains 1 basic helix-loop-helix (bHLH) domain.
翻訳後修飾	Acetylated by a complex containing EP300 and PCAF. The acetylation is essential to activate target genes. Conversely, its deacetylation by SIRT1 inhibits its function. Ubiquitinated on the N-terminus; which is required for proteasomal degradation.
細胞内局在	Nucleus.

#### アプリケーション

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アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Real Time PCR		Use at an assay dependent concentration. Suitable for the analysis of chromatin immunoprecipitated DNA using Taqman <sup>®</sup> real time PCR. The probe is labelled with FAM/TAMRA. Quantity provided for 200 reactions. Please see the <b>protocol page</b> for the instructions for this product.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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