

DESCRIPTION

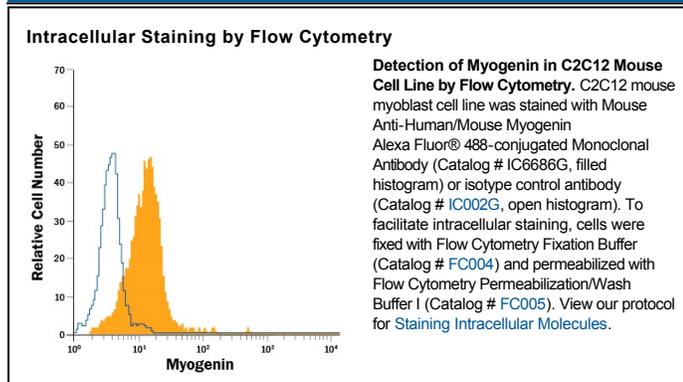
Species Reactivity	Human/Mouse
Specificity	Detects human Myogenin in direct ELISAs and mouse Myogenin in flow cytometry.
Source	Monoclonal Mouse IgG ₁ Clone # 671038
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Myogenin Ser124-Asn224 Accession # P15173
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Intracellular Staining by Flow Cytometry	5 µL/10 ⁶ cells	See Below

DATA



PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Myogenin, also known as MYF4, is a 34 kDa, 224 amino acid (aa) basic-HLH transcription factor member of the Myogenic Regulatory Factor (MRF) family. It induces fibroblastic differentiation to myoblasts and is expressed most highly early in the skeletal muscle differentiation process. Within the region used as an immunogen, human myogenin shares 93% and 91% aa sequence identity with mouse and rat myogenin, respectively. Isoforms may exist that diverge at aa 155 (246 aa form) or that are truncated at aa 215.

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