Human MESP1
Alexa Fluor® 405-conjugated Antibody

Monoclonal Rabbit IgG Clone # 2030b
Catalog Number: IC9219V
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human MESP1 in direct ELISAs.
Source	Monoclonal Rabbit IgG Clone # 2030b
Purification	Protein A or G purified from cell culture supernatant
Immunogen	*E. coli*-dervived recombinant human MESP1 Met1-Gln85 Accession # Q9BRJ9
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2 mg/mL 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	0.25-1 µg/10^6 cells	Mouse ES cells transfected with human MESP1 fixed and permeabilized with FlowX FoxP3 Fixation & Permeabilization Buffer Kit (Catalog # FC012).

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

Mesoderm posterior protein 1 (MESP1) is a 268 amino acids protein that in humans is encoded by the MESP1 gene. MESP1 was first identified in transcripts enriched in the posterior region of the mouse embryo at embryonic day E7 to E7.5. Lineage tracing in mice showed that MESP1 represents the earliest marker of cardiac progenitors and directs multipotential cardiovascular cell fates, patterning mesoderm into cardiac, hematopoietic, or skeletal myogenic progenitors in a context-dependent manner.

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