Human MSX1 Alexa Fluor® 750-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 801601

Catalog Number: FAB5045S

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human MSX1 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human MSX2 is observed.
Source	Monoclonal Mouse IgG_{2A} Clone # 801601
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human MSX1 Met1-Thr165 Accession # P28360
Conjugate	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *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.*

Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

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

MSX1 (Msh homeobox homology 1) is a member of the muscle segment homoebox gene family. MSX1 is involved in limb-pattern formation, craniofacial development, odontogenesis, and tumor growth inhibition. MSX1 functions as a transcriptional repressor. MSX1 has been shown to interact with the linker histone, H1B, and repress transcription of the MyoD promoter. Chromosomal abnormalities involving MSX1 have been associated with the Wolf-Hirschhorn syndrome characterized by heart defects and mental retardation.

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