# MFAP4 Antibody – Mouse Monoclonal

## PRODUCT OVERVIEW

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| **Product Name** | MFAP4, Monoclonal Antibody |
| **Full Product Name** | MFAP4 (Microfibril-associated Glycoprotein 4) (MaxLight 750) |
| **Product Gene Name** | anti-MFAP4 antibody |
| **Clonality** | Monoclonal |
| **Isotype** | IgG2a,k |
| **Clone Number** | 3A5 |
| **Host** | Mouse |
| **Species Reactivity** | Human |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750. |
| **Purity/Purification** | Purified by Protein A Affinity Chromatography. |
| **Specificity** | Recognizes human MFAP4. |
| **Preparation and Storage** | Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recov of product, centrifuge the original vial prior to removing the cap. |
| **Molecular Weight** | 31,153 Da |
| **OMIM** | 600596 |
| **3D Structure** | ModBase 3D Structure for P55083 |
| **Immunogen** | Partial recombinant corresponding to aa23-122 from human MFAP4 (NP_002395) with GST tag. MW of the GST tag alone is 26kD. |
| **Immunogen Sequence** | SGIRGDALERFCLQQPLDCDDIYAQGYQSDGVYLIYPSGPSVPVPVFCDMTTEGGKWTVFQKRFNGSVSFFRGWNDYKLGFGRADGEYWLGLQNMHL |
| **Conjugate** | MaxLight750 |
| **Product Categories/Family for anti-MFAP4 antibody** | Antibodies; Extracellular Matrix Proteins |
| **Applications Tested/Suitable for anti-MFAP4 antibody** | FLISA |
| **Application Notes for anti-MFAP4 antibody** | Applications are based on unconjugated antibody. |
| **Related Product Information for anti-MFAP4 antibody** | Microfibril-associated protein 4 (MFAP4) was initially identified as a gene commonly deleted in the contiguous Smith-Magenis syndrome (SMS) gene. MFAP4 was identified as growth factor to support expansion of hematopoietic stem cells in culture. It is involved in calcium-dependent cell adhesion an intercellular interactions. |

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| **Other Notes** | Small volumes of anti-MFAP4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry and additional dry ice fee may apply. |
| **Searchable Terms for MFAP4 purchase** | MBS6233856 is an antibody targeting MFAP4. Also known as MFAP4 (Microfibril-associated Glycoprotein 4) (MaxLight 750). Reactive in Human. Host Mouse. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MFAP4. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 23111005 |
| **NCBI GeneID** | 4239 |
| **NCBI Accession #** | NP_002395 |
| **UniProt Primary Accession #** | P55083 |
| **UniProt Secondary Accession #** | Q6P680; A8KAJ1; A8MVM2; B4E317 |
| **UniProt Related Accession #** | P55083 |
| **GenBank Nucleotide #** | NM_002404 |
| **NCBI Official Full Name** | microfibril-associated glycoprotein 4 isoform 2 |
| **NCBI Official Synonym Full Names** | microfibril associated protein 4 |
| **NCBI Official Symbol** | MFAP4 |
| **UniProt Protein Name** | Microfibril-associated glycoprotein 4 |
| **Protein Family** | Microfibril-associated glycoprotein |
| **UniProt Gene Name** | MFAP4 |
| **UniProt Entry Name** | MFAP4_HUMAN |
| **NCBI Protein Information** | microfibril-associated glycoprotein 4 |
| **NCBI Summary for MFAP4** | This gene encodes a protein with similarity to a bovine microfibril-associated protein. The protein has binding specificities for both collagen and carbohydrate. It is thought to be an extracellular matrix protein which is involved in cell adhesion or intercellular interactions. The gene is located within the Smith-Magenis syndrome region. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2010] |
| **UniProt Comments for MFAP4** | MFAP4: Could be involved in calcium-dependent cell adhesion or intercellular interactions. MFAP4 is deleted in the Smith-Magenis syndrome (SMS).<br><br>Protein type: Calcium-binding; Secreted; Cell adhesion; Secreted, signal peptide<br><br>Chromosomal Location of Human Ortholog: 17p11.2<br><br>Cellular Component: extracellular matrix; microfibril; extracellular region<br><br>Molecular Function: protein binding<br><br>Biological Process: elastic fiber assembly; extracellular matrix organization and biogenesis; UV protection; fibril organization and biogenesis; cell adhesion |
| **Research Articles on MFAP4** | **1.** the applicability of MFAP4 as a novel serum biomarker for assessment of hepatic fibrosis and identification of high-risk patients with severe fibrosis stages in hepatitis C, is reported. |

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