IFNA2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	IFNA2, Monoclonal Antibody
Full Product Name	IFNA2 (Interferon, alpha 2, IFNA, INFA2, MGC125764, MGC125765) (HRP)
Product Gene Name	anti-IFNA2 antibody
Product Synonym Names	Interferon; alpha 2; IFNA; INFA2; MGC125764; MGC125765
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	2D7
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Purity/Purification	Purified
Specificity	Recognizes IFNA2.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and original vial after thawing and prior to removing the cap.
Molecular Weight	19.4kDa (166aa), confirmed by MALDI-TOF.
OMIM	147562
3D Structure	ModBase 3D Structure for P01563
Immunogen	IFNA2 (NP_000596, 24aa-188aa) partial recombinant protein.
Immunogen Sequence	MDLPQTHSLGSRRTLMLLAQMRRISLFSCLKDRHDFGFPQEEFGNQFQKAETIPVLHEMIQQIFNLFSTKDSSAAWDETLLDKFYTELYQQLNDLEACVIQ
Conjugate	HRP
Product Categories/Family for anti-IFNA2 antibody	Antibodies; Interleukin
Applications Tested/Suitable for anti-IFNA2 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-IFNA2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-IFNA2 antibody	MBS6180106 is an antibody targeting IFNA2. Also known as IFNA2 (Interferon, alpha 2, IFNA, INFA2, MGC125764, MGC125765) (HRP). Host: Mouse

Other Notes	Small volumes of anti-IFNA2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necess cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IFNA2. It may not necessarily be applicable to this product.

NCBI GI #	11067751
NCBI GeneID	3440
NCBI Accession #	NP_000596
UniProt Primary Accession #	P01563
UniProt Secondary Accession #	P01564; Q14606; Q6DJX8; Q96KI6; H2DF54; H2DF55
UniProt Related Accession #	P01563
GenBank Nucleotide #	NM_000605.3
NCBI Official Full Name	interferon alpha-2
NCBI Official Synonym Full Names	interferon alpha 2
NCBI Official Symbol	IFNA2
NCBI Official Synonym Symbols	IFNA; INFA2; IFNA2B; IFN-alphaA
UniProt Protein Name	Interferon alpha-2
UniProt Synonym Protein Names	Interferon alpha-A; LeIF A
UniProt Gene Name	IFNA2
UniProt Synonym Gene Names	IFNA2A; IFNA2B; IFNA2C; IFN-alpha-2; LeIF A
UniProt Entry Name	IFNA2_HUMAN
NCBI Protein Information	interferon alpha-2
NCBI Summary for IFNA2	This gene is a member of the alpha interferon gene cluster on chromosome 9. The encoded protein is a cytokine produced in response to viral infection. Use of the recombinant form of this protein has been shown to be effective in reducing the symptoms and duration of the common cold. [provided by RefSeq, Jun 2011]
Research Articles on IFNA2	**1.** All the tested TLRAs induced greater infant IFN-alpha2 production compared to newborn and adult blood. In contrast, CpG induced greater IFN-gamma, IL-1beta, IL-4, IL-12p40, IL-10 and CXCL8 in newborn than in infant and adult blood.
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