IGFBP6 Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	IGFBP6, Blocking Peptide
Full Product Name	IGFBP6 Blocking Peptide
Product Gene Name	IGFBP6 blocking peptide
Product Synonym Gene Name	IGFBP6
Product Synonym Names	IBP 6; IBP-6; IBP6; IBP6_HUMAN; IGF binding protein 6; IGF-binding protein 6; IGFBP 6; IGFBP-6; IGFBP6; Insulin like growth factor binding protein 6; Insulin-like growth factor-binding protein 6
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 10 mg/ml.
Purity/Purification	The purity is >90%,tested by HPLC and MS.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	IGFBP6 peptide (MBS9627980) is used for blocking the activity of IGFBP6 antibody (MBS9609276)
Molecular Weight	25,322 Da
Chromosome Location	Chromosome: 12; NC_000012.11 (53491436..53496128). Location: 12q13
OMIM	146735
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Notes	For phospho antibody, we provide phospho peptide (0.5mg) and non-phospho peptide (0.5mg)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for IGFBP6 blocking peptide	Blocking/Control
Related Product Information for IGFBP6 blocking peptide	Blocking peptides are peptides that bind specifically to the target antibody and block antibody binding. These peptide usually contains the epitope recognized by the antibody. Antibodies bound to the blocking peptide no longer bind to the epitope on the target protein. This mechanism is useful when non-specific binding is an issue, for example, in Western blotting (immunoblot) and immunohistochemistry (IHC). By comparing the staining from the blocked antibody versus the antibody alone, one can see which staining is specific; Specific binding will be absent from the western blot or immunostaining performed with the neutralized antibody.
Other Notes	Small volumes of IGFBP6 blocking peptide 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 ice and additional dry ice fee may apply.
Searchable Terms for IGFBP6 purchase	MBS9627980 is a blocking peptide targeting IGFBP6.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IGFBP6. It may not necessarily be applicable to this product.

NCBI GI #	11321593
NCBI GeneID	3489
NCBI Accession #	NP_002169.1
UniProt Primary Accession #	P24592

UniProt Secondary Accession #	Q14492
UniProt Related Accession #	P24592
GenBank Nucleotide #	NM_002178.2
NCBI Official Full Name	insulin-like growth factor-binding protein 6
NCBI Official Synonym Full Names	insulin-like growth factor binding protein 6
NCBI Official Symbol	IGFBP6
NCBI Official Synonym Symbols	IBP6
UniProt Protein Name	Insulin-like growth factor-binding protein 6
Protein Family	Insulin-like growth factor-binding protein
UniProt Gene Name	IGFBP6
UniProt Synonym Gene Names	IBP6; IBP-6; IGF-binding protein 6; IGFBP-6
UniProt Entry Name	IBP6_HUMAN
NCBI Protein Information	insulin-like growth factor-binding protein 6; IBP-6; IGFBP-6; IGF binding protein 6; IGF-binding protein 6
UniProt Comments for IGFBP6	IGFBP6: IGF-binding proteins prolong the half-life of the IGFs and have been shown to either inhibit or stimulate the growth promoting effects of the IGFs on cell culture. They alter the interaction of IGFs with their cell surface receptors. Protein type: Cell cycle regulation; Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 12q13 Cellular Component: Golgi apparatus; extracellular space; extracellular region Molecular Function: insulin-like growth factor I binding; insulin-like growth factor II binding Biological Process: negative regulation of cell proliferation; cellular protein metabolic process; regulation of insulin-like growth factor receptor signaling pathway; regulation of cell growth; signal transduction
Research Articles on IGFBP6	**1.** Review of the IGF system in physiology and disease with a focus on the regulation and actions of IGFBP-6, and its potential roles in cancer cells.
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