IRF7 Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	IRF7, Blocking Peptide
Full Product Name	IRF7 Blocking Peptide
Product Gene Name	IRF7 blocking peptide
Product Synonym Names	IMD39; Interferon regulatory factor 7; Interferon regulatory factor 7H; IRF 7; IRF 7A; IRF 7H; IRF-7; IRF7; IRF7_HUMAN; IRF7A; IRF7B; IRF7C; IRF7H
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	IRF7 peptide (MBS9617987) is used for blocking the activity of IRF7 antibody (MBS9613906)
Molecular Weight	51-56kDa
Chromosome Location	Chromosome: 11; NC_000011.9 (612555..615999, complement). Location: 11p15.5
OMIM	605047
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 IRF7 blocking peptide	Blocking/Control
Related Product Information for IRF7 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 IRF7 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 IRF7 purchase	MBS9617987 is a blocking peptide targeting IRF7.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IRF7. It may not necessarily be applicable to this product.

NCBI GI #	4758610
NCBI GeneID	3665
NCBI Accession #	NP_001563.2
UniProt Primary Accession #	Q92985
UniProt Secondary Accession #	O00331; O00332; O00333; O75924; Q9UE79; B9EGL3

UniProt Related Accession #	Q92985
GenBank Nucleotide #	NM_001572.3
NCBI Official Full Name	interferon regulatory factor 7 isoform a
NCBI Official Synonym Full Names	interferon regulatory factor 7
NCBI Official Symbol	IRF7
NCBI Official Synonym Symbols	IRF7A; IRF7B; IRF7C; IRF7H; IRF-7H
UniProt Protein Name	Interferon regulatory factor 7
Protein Family	Interferon regulatory factor
UniProt Gene Name	IRF7
UniProt Synonym Gene Names	IRF-7
UniProt Entry Name	IRF7_HUMAN
NCBI Protein Information	interferon regulatory factor 7; IRF-7; interferon regulatory factor-7H
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