IL22RA2 Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	IL22RA2, Blocking Peptide
Full Product Name	IL22RA2 Blocking Peptide
Product Gene Name	IL22RA2 blocking peptide
Product Synonym Names	IL 22BP; IL 22RA2; IL22RA2; Class II cytokine receptor; CRF2 10; CRF2 S1; CRF2-10; CRF2-S1; CRF2X; Cytokine receptor class II member 10; Cytokine receptor class-II member 10; Cytokine receptor family 2 member 10; Cytokine receptor family type 2; Cytokine receptor family type 2 soluble 1; I22R2_HUMAN; IL 22 receptor subunit alpha 2; IL 22R alpha 2; IL-22 receptor subunit alpha-2; IL-22BP; IL-22R-alpha-2; IL-22RA2; IL22BP; IL22R alpha 2; Il22ra2; Interleukin 22 binding protein; Interleukin 22 Receptor alpha 2; Interleukin-22 receptor subunit alpha-2; Interleukin-22-binding protein; MGC150509; MGC150510; soluble 1; ZcytoR16
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	IL22RA2 peptide (MBS9620443) is used for blocking the activity of IL22RA2 antibody (MBS9602966)
Molecular Weight	15,128 Da
OMIM	606648
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 IL22RA2 blocking peptide	Blocking/Control
Related Product Information for IL22RA2 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 IL22RA2 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 IL22RA2 purchase	MBS9620443 is a blocking peptide targeting IL22RA2.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL22RA2. It may not necessarily be applicable to this product.

NCBI GI #	16418459
NCBI GeneID	116379
NCBI Accession #	NP_443194.1

UniProt Primary Accession #	Q969J5
UniProt Secondary Accession #	Q08AH7; Q6UWM1; Q96A41; Q96QR0
UniProt Related Accession #	Q969J5
GenBank Nucleotide #	NM_052962.2
NCBI Official Full Name	interleukin-22 receptor subunit alpha-2 isoform 1
NCBI Official Synonym Full Names	interleukin 22 receptor subunit alpha 2
NCBI Official Symbol	IL22RA2
NCBI Official Synonym Symbols	CRF2X; CRF2-10; CRF2-S1; IL-22BP; IL-22RA2; ZCYTOR16; IL-22R-alpha-2
UniProt Protein Name	Interleukin-22 receptor subunit alpha-2
UniProt Synonym Protein Names	Cytokine receptor class-II member 10; Cytokine receptor family 2 member 10; CRF2-10; Cytokine receptor family type 2, soluble 1; CRF2-S1; Interleukin-22-binding protein; IL-22BP; IL22BP; ZcytoR16
Protein Family	Interleukin-22 receptor
UniProt Gene Name	IL22RA2
UniProt Synonym Gene Names	IL-22 receptor subunit alpha-2; IL-22R-alpha-2; IL-22RA2; CRF2-10; CRF2-S1; IL-22BP; IL22BP
UniProt Entry Name	I22R2_HUMAN
NCBI Protein Information	interleukin-22 receptor subunit alpha-2
NCBI Summary for IL22RA2	This gene encodes a member of the class II cytokine receptor family. The encoded soluble protein specifically binds to and inhibits interleukin 22 activity by blocking the interaction of interleukin 22 with its cell surface receptor. The encoded protein may be important in the regulation of inflammatory response, and has been implicated in the regulation of tumorigenesis in the colon. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2013]
Research Articles on IL22RA2	**1.** suggest that the human IL-22BP isoforms have distinct spatial and temporal roles and coordinately fine-tune IL-22-dependent STAT3 responses in tissues as a type of rheostat.
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