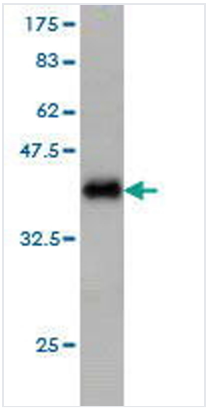
IL36G Antibody – Mouse Monoclonal

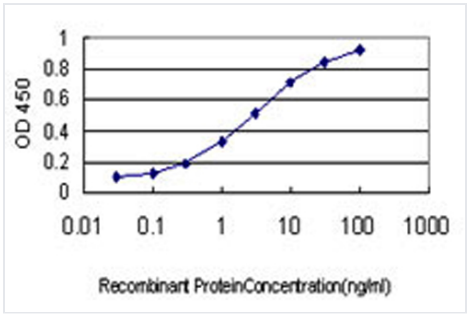
PRODUCT OVERVIEW

Product Name	IL36G, Monoclonal Antibody
Full Product Name	IL36G (Interleukin-36 gamma, IL-1-related Protein 2, IL-1RP2, Interleukin-1 epsilon, IL-1 epsilon, Interleukin-1 Family Member 9, IL-1F9, Interleukin-1 H 1H1, IL1E, IL1F9, IL1H1, IL1RP2, UNQ2456/PRO5737) (PE)
Product Gene Name	anti-IL36G antibody
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	8A11
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human IL1F9.
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 immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifu vial prior to removing the cap.
Molecular Weight	Predicted: 19 kDa Observed: 22 kDa
OMIM	605542
3D Structure	ModBase 3D Structure for Q9NZH8
Immunogen	Partial recombinant corresponding to aa1-111 from human IL1F9 (NP_062564) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MRGTPGDADGGGRAVYQSMCKPITGTINDLNQQVWTLQGQNLVAVPRSDSVTPVTVAVITCKYPEALEQGRGDPIYLGIQNPEMCLYCEKVGEQPTLQL
Conjugate	PE
Product Categories/Family for anti-IL36G antibody	Antibodies; Interleukin
Applications Tested/Suitable for anti-IL36G antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-IL36G antibody	Applications are based on unconjugated antibody.

Related Product Information for anti-IL36G antibody	Function as an agonist of NF-kappa B activation through the orphan IL-1-receptor-related protein 2. Could constitute part of an independent signaling s analogous to interleukin-1 alpha (IL-1A), beta (IL-1B) receptor agonist and interleukin-1 receptor type I (IL-1R1), that is present in epithelial barriers and local inflammatory response.
Other Notes	Small volumes of anti-IL36G antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necess 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 apply.
Searchable Terms for IL36G purchase	MBS6158366 is an antibody targeting IL36G. Also known as IL36G (Interleukin-36 gamma, IL-1-related Protein 2, IL-1RP2, Interleukin-1 epsilon, IL-1 e Interleukin-1 Family Member 9, IL-1F9, Interleukin-1 Homolog 1, IL-1H1, IL1E, IL1F9, IL1H1, IL1RP2, UNQ2456/PRO5737) (PE). Reactive in Human. H



Western Blot (WB) of anti-IL36G antibody
Western Blot detection against Immunogen (38.21kD).



Testing Data of anti-IL36G antibody
Detection limit for recombinant GST tagged IL1F9 is ~0.03ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL36G. It may not necessarily be applicable to this product.

NCBI GI #	9665234
NCBI GeneID	56300
NCBI Accession #	NP_062564
UniProt Primary Accession #	Q9NZH8
UniProt Secondary Accession #	Q56B91; Q6UVX7; Q7RTZ9
UniProt Related Accession #	Q9NZH8
GenBank Nucleotide #	NM_019618
NCBI Official Full Name	interleukin-36 gamma isoform 1
NCBI Official Synonym Full Names	interleukin 36, gamma
NCBI Official Symbol	IL36G
NCBI Official Synonym Symbols	IL1E; IL1F9; IL1H1; IL-1F9; IL-1H1; IL1RP2; IL-1RP2
UniProt Protein Name	Interleukin-36 gamma
UniProt Synonym Protein Names	IL-1-related protein 2; IL-1RP2; Interleukin-1 epsilon; IL-1 epsilon; Interleukin-1 family member 9; IL-1F9; Interleukin-1 homolog 1
Protein Family	Interleukin
UniProt Gene Name	IL36G
UniProt Synonym Gene Names	IL1E; IL1F9; IL1H1; IL1RP2; IL-1RP2; IL-1 epsilon; IL-1F9; IL-1H1
UniProt Entry Name	IL36G_HUMAN

NCBI Protein Information	interleukin-36 gamma; IL-1 epsilon; IL-1-epsilon; IL-1(EPSILON); interleukin-1 epsilon; IL-1 related protein 2; IL-1-related protein 2; interleukin-1 homolog 1; interleukin-1 family member 9; interleukin 1 family, member 9; interleukin 1-related protein 2
NCBI Summary for IL36G	The protein encoded by this gene is a member of the interleukin 1 cytokine family. The activity of this cytokine is mediated by interleukin 1 receptor-like 2 (IL1RL2/IL1R-rp2), and is specifically inhibited by interleukin 1 family, member 5 (IL1F5/IL-1 delta). Interferon-gamma, tumor necrosis factor-alpha and interleukin 1, beta (IL1B) are reported to stimulate the expression of this cytokine in keratinocytes. The expression of this cytokine in keratinocytes can also be induced by a contact hypersensitivity reaction or herpes simplex virus infection. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. Two alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2013]
UniProt Comments for IL36G	Il1f9: Function as an agonist of NF-kappa B activation through the orphan IL-1-receptor-related protein 2. Could constitute part of an independent signaling system analogous to interleukin-1 alpha (IL-1A), beta (IL-1B) receptor agonist and interleukin-1 receptor type I (IL-1R1), that is present in epithelial barriers and takes part in local inflammatory response. Belongs to the IL-1 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Cytokine Chromosomal Location of Human Ortholog: 2q12-q21 Cellular Component: extracellular space Molecular Function: interleukin-1 receptor binding; cytokine activity Biological Process: cell-cell signaling; cytokine and chemokine mediated signaling pathway; positive regulation of interleukin-6 production; innate immune response; negative regulation of myoblast differentiation; inflammatory response
Research Articles on IL36G	**1.** IL-36 promotes myeloid cell infiltration, activation, and inflammatory activity in skin
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