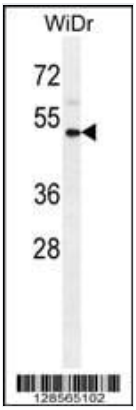
IL1R2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IL1R2, Polyclonal Antibody
Full Product Name	IL1R2, ID (IL1R2, IL1RB, Interleukin-1 receptor type 2, CD121 antigen-like family member B, CDw121b, IL-1 type II receptor, Interleukin-1 receptor beta, Interleukin-1 receptor type II, CD121b, Interleukin-1 receptor type 2, membrane form, Interleukin-1 re
Product Gene Name	anti-IL1R2 antibody
Product Synonym Names	IL1R2; IL1RB; Interleukin-1 receptor type 2; CD121 antigen-like family member B; CDw121b; IL-1 type II receptor; Interleukin-1 receptor beta; Interleukin-1 receptor type II; CD121b; Interleukin-1 receptor type 2; membrane form; Interleukin-1 receptor type 2; soluble form
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	33,622 Da
OMIM	147811
3D Structure	ModBase 3D Structure for P27930
Immunogen	IL1R2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 273-300 amino acids from the Central region of human IL1R2.
Conjugate	AP
Note	Preservative Free
Product Categories/Family for anti-IL1R2 antibody	Antibodies; CD Markers
Applications Tested/Suitable for anti-IL1R2 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-IL1R2 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-IL1R2 antibody	The protein encoded by this gene is a cytokine receptor that belongs to the interleukin 1 receptor family. This protein binds interleukin alpha (IL1A), interleukin beta (IL1B), and interleukin 1 receptor, type I(IL1R1/IL1RA), and acts as a decoy receptor that inhibits the activity of its ligands. Interleukin 4 (IL4) is reported to antagonize the activity of interleukin 1 by inducing the expression and release of this cytokine. This gene and three other genes form a cytokine receptor gene cluster on chromosome 2q12. Two alternatively spliced transcript variants encoding the same protein have been reported.

Product References and Citations for anti-IL1R2 antibody	Giroux, S., et al. Bone 47(5):975-981(2010). Romero, R., et al. Am. J. Obstet. Gynecol. 203 (4), 361 (2010): Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010). Chen, C., et al. Rheumatol. Int. (2010). In press: Schuurhof, A., et al. Pediatr. Pulmonol. 45(6):608-613(2010).
Other Notes	Small volumes of anti-IL1R2 antibody 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 IL1R2 purchase	MBS6310036 is an antibody targeting IL1R2. Also known as IL1R2, ID (IL1R2, IL1RB, Interleukin-1 receptor type 2, CD121 antigen-like family member B, CDw121b, IL-1 type II receptor, Interleukin-1 receptor beta, Interleukin-1 receptor type II, CD121b, Interleukin-1 receptor type 2, membrane form, Interleukin-1 re. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-IL1R2 antibody
IL1R2 Antibody (Center) western blot analysis in WiDr cell line lysates (35ug/lane).This demonstrates the IL1R2 antibody detected the IL1R2 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL1R2. It may not necessarily be applicable to this product.

NCBI GI #	4758598
NCBI GeneID	7850
NCBI Accession #	NP_004624.1
NCBI Related Accession #	NP_775465.1
UniProt Primary Accession #	P27930
UniProt Secondary Accession #	Q6LCE6; Q9UE68; D3DVJ5
UniProt Related Accession #	P27930
GenBank Nucleotide #	NM_004633.3
NCBI Official Full Name	interleukin-1 receptor type 2 isoform 1
NCBI Official Synonym Full Names	interleukin 1 receptor, type II
NCBI Official Symbol	IL1R2
NCBI Official Synonym Symbols	IL1RB; CD121b; IL1R2c; CDw121b; IL-1R-2; IL-1RT2; IL-1RT-2
UniProt Protein Name	Interleukin-1 receptor type 2
UniProt Synonym Protein Names	CD121 antigen-like family member B; CDw121b; IL-1 type II receptor; Interleukin-1 receptor beta; IL-1R-beta; Interleukin-1 receptor type II
Protein Family	Interleukin-1 receptor
UniProt Gene Name	IL1R2

UniProt Synonym Gene Names	IL1RB; IL-1R-2; IL-1RT-2; IL-1RT2; IL-1R-beta; mIL-1R2; mIL-1RII; sIL-1R2; sIL-1RII
UniProt Entry Name	IL1R2_HUMAN
NCBI Protein Information	interleukin-1 receptor type 2; IL-1R-beta; antigen CDw121b; IL-1 type II receptor; interleukin-1 receptor beta; interleukin-1 receptor type II; CD121 antigen-like family member B; type II interleukin-1 receptor, beta; interleukin 1 receptor type II varian
NCBI Summary for IL1R2	The protein encoded by this gene is a cytokine receptor that belongs to the interleukin 1 receptor family. This protein binds interleukin alpha (IL1A), interleukin beta (IL1B), and interleukin 1 receptor, type I(IL1R1/IL1RA), and acts as a decoy receptor that inhibits the activity of its ligands. Interleukin 4 (IL4) is reported to antagonize the activity of interleukin 1 by inducing the expression and release of this cytokine. This gene and three other genes form a cytokine receptor gene cluster on chromosome 2q12. Alternative splicing results in multiple transcript variants and protein isoforms. Alternative splicing produces both membrane-bound and soluble proteins. A soluble protein is also produced by proteolytic cleavage. [provided by RefSeq, May 2012]
UniProt Comments for IL1R2	IL-1RB: Non-signaling receptor for IL1A, IL1B and IL1RN. Reduces IL1B activities. Serves as a decoy receptor by competetive binding to IL1B and preventing its binding to IL1R1. Also modulates cellular response through non-signaling association with IL1RAP after binding to IL1B. IL1R2 (membrane and secreted forms) preferentially binds IL1B and poorly IL1A and IL1RN. The secreted IL1R2 recruits secreted IL1RAP with high affinity; this complex formation may be the dominant mechanism for neutralization of IL1B by secreted/soluble receptors. Belongs to the interleukin-1 receptor family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 2q12 Cellular Component: integral to membrane; plasma membrane; extracellular region Molecular Function: protein binding; interleukin-1, Type II, blocking receptor activity; interleukin-1 receptor activity Biological Process: cytokine and chemokine mediated signaling pathway; immune response
Research Articles on IL1R2	**1.** First study evaluating for associations between cytokine gene variations and the development of persistent breast pain in women following breast cancer surgery: 1 SNP (IL1R2 rs11674595) and 1 haplotype (IL10 haplotype A8) were associated with pain
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