

Rabbit anti-Human IL23 Receptor/IL23R Polyclonal Antibody | anti-IL23R antibody

Anti-IL23 Receptor/IL23R Antibody

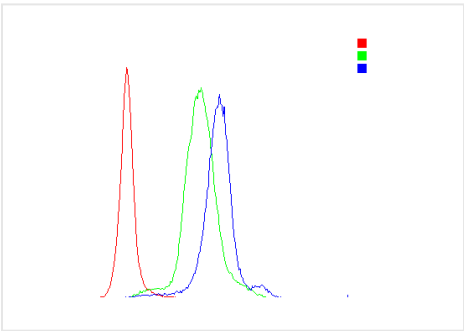
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125565	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

IL23 Receptor/IL23R; Polyclonal Antibody; Anti-IL23 Receptor/IL23R Antibody; Interleukin-23 receptor; IL-23 receptor; IL-23R; IL23r; interleukin 23 receptor; anti-IL23R antibody

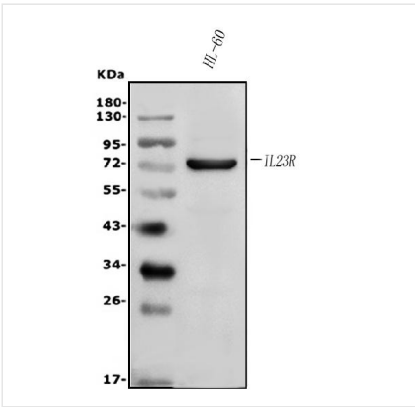
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rabbit IgG polyclonal antibody for IL23 Receptor/IL23R detection.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.005mg NaN3.
Applicable Applications for anti-IL23R antibody	ELISA (Direct ELISA), FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E Coli-derived human IL23 Receptor/IL23R recombinant protein (Position: Q76-Q 305).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Recommended Detection Systems	Recommended Detection Systems
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of human PBMC cells using anti-IL23 Receptor/IL23R antibody (AAA125565).Overlay histogram showing human PBMC cells stained with AAA125565 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-IL23 Receptor/IL23R Antibody (AAA125565, 1µg/1x106 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG (5-10µg/1x106 cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1µg/1x106) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of IL23 Receptor/IL23R using anti-IL23 Receptor/IL23R antibody (AAA125565).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: human HL-60 whole cell lysates.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1. 5 hour at RT. The membrane was incubated with rabbit anti-IL23 Receptor/IL23R antigen affinity purified polyclonal antibody (Catalog # AAA125565) at 0. 5 µg/mL overnight at 4 degree C, then washed with TBS-0. 1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1. 5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for IL23 Receptor/IL23R at approximately 72KD. The expected band size for IL23 Receptor/IL23R is at 72KD.

ADDITIONAL INFORMATION

Related Product Information for anti-IL23R antibody	Interleukin 23 receptor is a type I cytokine receptor. IL23R is its human gene. The protein encoded by this gene is a subunit of the receptor for IL23A/IL23. This protein pairs with the receptor molecule IL12RB1/IL12Rbeta1, and both are required for IL23A signaling. This protein associates constitutively with Janus kinase 2 (JAK2), and also binds to transcription activator STAT3 in a ligand-dependent manner.
References	1. Duerr RH, Taylor KD, Brant SR, Rioux JD, Silverberg MS, Daly MJ, et al. (Dec 2006). "A genome-wide association study identifies IL23R as an inflammatory bowel disease gene". Science. 314 (5804): 1461-3. 2. Momozawa Y, Mni M, Nakamura K, Coppieters W, Almer S, Amininejad L, et al. (Jan 2011). "Resequencing of positional candidates identifies low frequency IL23R coding variants protecting against inflammatory bowel disease". Nature Genetics. 43 (1): 43-7.

NCBI AND UNIPROT INFORMATION

NCBI GI #	311033431
NCBI GeneID	149233
UniProt Accession #	Q5VWK5; Q4VGP1; Q4VGP2; Q4VGP3; Q4VGP4; Q4VGP5; Q4VGP6; Q5VWK7; Q8IW84; Q8NFAQ9; Q96AS1; C9JGX4
Molecular Weight	629
NCBI Official Full Name	Interleukin-23 receptor
NCBI Official Synonym Full Names	interleukin 23 receptor
NCBI Official Symbol	IL23R
NCBI Protein Information	interleukin-23 receptor; IL-23 receptor
UniProt Protein Name	Interleukin-23 receptor
UniProt Gene Name	IL23R

UniProt Synonym Gene Names	IL-23 receptor; IL-23R
UniProt Entry Name	IL23R_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/il23-receptor-il23r-antibody-direct-elisa-flow-cytometry-western-blot-elisa/125565>