

Rabbit anti-Human IL-17R/IL-17RA/CD217 Monoclonal Antibody | anti-IL17RA antibody

IL-17R/IL-17RA/CD217 Neutralizing Antibody

CATALOG # AAA255242	HOST Rabbit	REACTIVITY Human	APPLICATIONS Neutralization Assay, Flow Cytometry, Functional Assay
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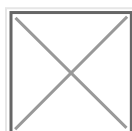
PRODUCT SYNONYMS

IL-17R/IL-17RA/CD217; Monoclonal Antibody; IL-17R/IL-17RA/CD217 Neutralizing Antibody; interleukin 17 receptor A; Anti-CANDF5 Antibody; Anti-CD217 Antibody; Anti-CDw217 Antibody; Anti-hIL-17R Antibody; Anti-IL-17RA Antibody; Anti-IL17R Antibody; anti-IL17RA antibody

PRODUCT SPECIFICATIONS

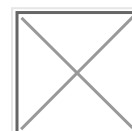
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	R004
Specificity	Human IL-17R/IL-17RA/CD217. Has cross-reactivity in ELISA with Cynomolgus IL17RA, Mouse IL17RA Has cross-reactivity in ELISA with Cynomolgus IL17RA, Mouse IL17RA
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in Histidine and Arginine buffer containing 120mM NaCl, 0.02% Tween 80, pH6.0
Applicable Applications for anti-IL17RA antibody	NTRL (Neutralization Assay), Blocking, FCM/FACS (Flow Cytometry)
Immunogen	Recombinant Human IL-17R/IL-17RA/CD217 Protein
Endotoxin	<3EU/mg
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human IL-17R/IL-17RA/CD217 (rh IL-17R/IL-17RA/CD217) and was produced using recombinant antibody technology.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of Human IL17RA(CD217) expression on human whole blood granulocytes. Cells were stained with purified anti-Human IL17RA(CD217), then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of viable granulocytes.



Application Data

IL-17A-induced IL-6 production was Neutralized by Human IL17Ra Antibody. IL6 secretion in the HFF human foreskin fibroblast elicited by 50 ng/mL of Recombinant Human IL17a is neutralized by increasing concentrations of Human IL17Ra Monoclonal Antibody, as measured by IL6 Quantitative ELISA Kit (KIT10395). The IC50 is typically 0.30-0.70 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-IL17RA antibody	Interleukin-17 receptor (IL-17R), also known as Interleukin-17 receptor A (IL-17RA) and CD217 antigen (CD217), is a cytokine receptor that binds interleukin 17. IL-17R/IL-17RA (CD217) is a proinflammatory cytokine secreted by activated T-lymphocytes. It is a potent inducer of the maturation of CD34-positive hematopoietic precursors into neutrophils. IL-17R/IL-17RA (CD217) is a ubiquitous type I membrane glycoprotein that binds with low affinity to interleukin 17A. Interleukin 17A and its receptor IL-17RA play a pathogenic role in many inflammatory and autoimmune diseases such as rheumatoid arthritis. Like other cytokine receptors, this receptor likely has a multimeric structure. Defects in IL-17R/IL-17RA (CD217) are the cause of familial candidiasis type 5 (CANDF5). CANDF5 is a rare disorder with altered immune responses and impaired clearance of fungal infections, selective against Candida. It is characterized by persistent and/or recurrent infections of the skin, nails, and mucous membranes caused by organisms of the genus Candida, mainly Candida albicans.
Product Categories/Family for anti-IL17RA antibody	IL17 signaling pathway
References	Gaffen SL. (2009) Structure and signalling in the IL-17 receptor family. Nat Rev Immunol. 9 (8): 556-67.Johansen C, et al.. (2009) Characterization of the interleukin-17 isoforms and receptors in lesional psoriatic skin. Br J Dermatol. 160 (2): 319-24.Yao Z, et al.. (1997) Molecular characterization of the human interleukin (IL)-17 receptor. Cytokine 9 (11): 794-800.

NCBI AND UNIPROT INFORMATION

NCBI GI #	23238208
NCBI GeneID	23765
NCBI Accession #	NP_055154.3
NCBI GenBank Nucleotide #	NM_014339.6
UniProt Accession #	Q96F46; O43844; Q20WK1
Molecular Weight	96,122 Da
NCBI Official Full Name	interleukin-17 receptor A
NCBI Official Synonym Full Names	interleukin 17 receptor A
NCBI Official Symbol	IL17RA
NCBI Official Synonym Symbols	CD217; IL17R; CANDF5; CDw217; IL-17RA; hIL-17R
NCBI Protein Information	interleukin-17 receptor A; IL-17 receptor A
UniProt Protein Name	Interleukin-17 receptor A
UniProt Gene Name	IL17RA
UniProt Synonym Gene Names	IL17R; IL-17 receptor A; IL-17RA
UniProt Entry Name	I17RA_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/monoclonal/il-17r-il-17ra-cd217-antibody-clone-r004-neutralization-assay-flow-cytometry-elisa/255242>