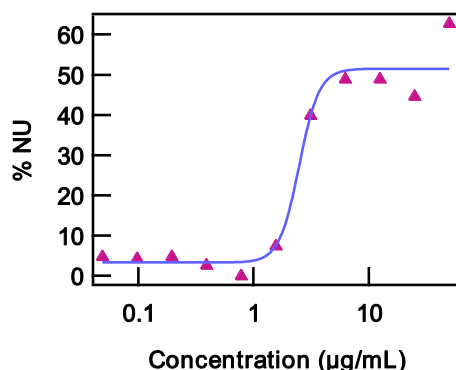


Anti-Human CD217 (IL-17 Receptor A) Functional Grade Purified

Catalog Number: 16-7917

Also known as: IL-17R, IL-17RA

RUO: For Research Use Only. Not for use in diagnostic procedures.



Neutralization of Human IL-17A Recombinant Protein activity by Anti-Human IL-17 Receptor A Functional Grade® Purified as measured by IL-6 induction in NHDF human fibroblast cells.

Product Information

Contents: Anti-Human CD217 (IL-17 Receptor A) Functional Grade Purified
Catalog Number: 16-7917
Clone: 424LTS
Concentration: 1 mg/mL
Host/Isotype: Mouse IgG1, kappa
Handling Conditions: Use in sterile environment.
Endotoxin: Less than 0.001 ng/ug antibody, as determined by the LAL assay.



Formulation: aqueous buffer, no sodium azide
Temperature Limitation: Store at 2-8°C.

Batch Code: Refer to vial

Use By: Refer to vial

Description

The 424LTS monoclonal antibody reacts with and blocks IL-17A binding to human interleukin 17 receptor A (IL-17RA, IL-17R). IL-17RA is a type I membrane protein of approximately 96 kDa (866 amino acids) and is involved in inflammatory responses to IL-17A, IL-17F and IL-17AF heterodimer. It forms heterodimeric complexes with several other members of its receptor family, including IL-17RC for IL-17A and IL-17F signaling and IL-17RC for IL-17E (IL-25) signaling. IL-17RA is ubiquitously expressed, but in leukocytes its expression is elevated on granulocytes and monocytes.

Applications Reported

This 424LTS antibody has been reported for use in blocking IL-17 receptor A ligand binding.

Applications Tested

The ND50 of 424LTS as measured by the inhibition of IL-6 induction in NHDF cells is 1-5 µg/ml in the presence of 3 ng/ml of recombinant Human IL-17A. Neutralization dose will vary depending on assay method, cytokine concentration, and cell type. This antibody should be carefully titrated for optimal performance in the assay of interest.

References

Gaffen SL. Structure and signalling in the IL-17 receptor family. Nat Rev Immunol. 2009 Aug;9(8):556-67.

Toy D, Kugler D, Wolfson M, Vanden Bos T, Gurgel J, Derry J, Tocker J, Peschon J. Cutting edge: interleukin 17 signals through a heteromeric receptor complex. J Immunol. 2006 Jul 1;177(1):36-9.

Zhang Z, Zheng M, Bindas J, Schwarzenberger P, Kolls JK. Critical role of IL-17 receptor signaling in acute TNBS-

Not for further distribution without written consent.

Copyright © 2000-2012 eBioscience, Inc.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.ebioscience.com • info@ebioscience.com

Anti-Human CD217 (IL-17 Receptor A) Functional Grade Purified

Catalog Number: 16-7917

Also known as: IL-17R, IL-17RA

RUO: For Research Use Only. Not for use in diagnostic procedures.

induced colitis. Inflamm Bowel Dis. 2006 May;12(5):382-8.

Tan W, Huang W, Zhong Q, Schwarzenberger P. IL-17 receptor knockout mice have enhanced myelotoxicity and impaired hemopoietic recovery following gamma irradiation. Tan W, Huang W, Zhong Q, Schwarzenberger P. J Immunol. 2006 May 15;176(10):6186-93.

Related Products

12-7517 Anti-Human CD217 (IL-17 Receptor A) PE (J10MBS)

14-8179 Human IL-17A Recombinant Protein

16-7178 Anti-Human IL-17A Functional Grade Purified (eBio64CAP17)

51-4040 Anti-Human ACT1 Alexa Fluor® 647 (9ACT12)