

À des fins de recherche uniquement

Anticorps Monoclonal anti-NeutraKine® IL-17A



Numéro de catalogue: 69021-1-Ig **2 Publications**

Informations de base

Numéro de catalogue: 69021-1-Ig	Numéro d'acquisition GenBank: 3605	Méthode de purification: Purification par protéine G
Taille: 100ug	Identification du gène (NCBI): interleukin 17A	CloneNo.: 1F3E3
Hôte: Mouse	Nom complet: interleukin 17A	
Isotype: IgG1		
Immunogen Catalog Number: HZ-1113		

Applications

Applications testées:
Neutralization, ELISA

Demandes citées:
Cell treatment, Neutralization

Spécificité de l'espèce:
Humain

Espèces citées:
Humain

Informations générales

IL17A, also named as IL-17, is a proinflammatory cytokine. IL-17, synthesized only by memory T cells and natural killer cells, has pleiotropic effects, mainly in the recruitment and activation of neutrophils. This cytokine regulates the activities of NF-kappaB and mitogen-activated protein kinases. This cytokine can stimulate the expression of IL6 and cyclooxygenase-2 (PTGS2/COX-2), as well as enhance the production of nitric oxide (NO). High levels of this cytokine are associated with several chronic inflammatory diseases including rheumatoid arthritis, psoriasis and multiple sclerosis. The IL-17 receptor is a type I transmembrane protein, that is widely expressed on epithelial cells, fibroblasts, B and T cells, and monocytic cells. In psoriatic skin lesions, both Th17 cells and their downstream effector molecules, e.g. IL-17 and IL-22, are highly increased.

This antibody can be used to neutralize the bioactivity of IL-17A.

Publications notables

Autrice	Pubmed ID	Journal	Application
Danyang Li	36267325	Int J Chron Obstruct Pulmon Dis	Neutralization
Kevin M Motz	37159282	JCI Insight	Cell treatment

Stockage

Stockage:
Les anticorps lyophilisés sont stables pendant 1 an à compter de la date de réception s'ils sont stockés à une température comprise entre -20 °C et -80 °C. Après reconstitution, nous recommandons que la solution soit stockée à (4 °C) pour une courte durée ou à une température comprise entre (-20 °C) et (-80 °C) pour une longue durée. Il convient d'éviter les cycles répétés de congélation-décongélation avec les produits reconstitués.

Tampon de stockage:
PBS stérile.

L'aliquotage n'est pas nécessaire pour le stockage à -20C

***** Les 20ul contiennent 0,1% de BSA.**

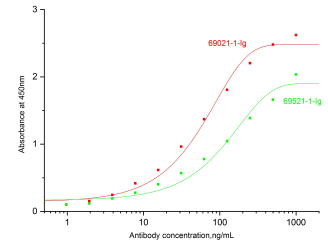
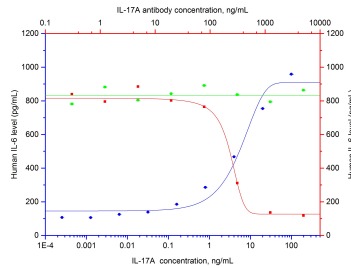
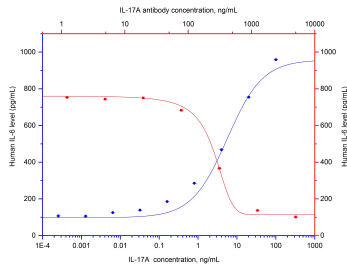
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Données de validation sélectionnées



Recombinant human IL-17A (Cat.NO. HZ-1113) stimulates HT-1080 cells (human fibroblast cell line) produce IL-6 in a dose dependent manner (blue curve, refer to bottom X-Left Y axis). The activity of human IL-17A (40ng/mL HZ-1113) is neutralized by mouse anti-human IL-17A monoclonal antibody 69021-1-Ig (red curve, refer to top X-right Y axis). The ND50 is typically 200-600ng/mL.

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Indirect ELISA was carried out by coating recombinant Human IL-17A (Cat.NO. HZ-1113) at 70 ng/well followed by blocking and adding serial diluted IL-17A antibody 69021-1-Ig and 69521-1-Ig respectively. Signal was developed with TMB and stopped by H2SO4. Signal strength was measured by absorbance at 450 nm.