9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-12183: Mouse Interleukin-17A

Gene :	Il17a
Gene ID :	16171
Uniprot ID :	Q62386
Alternative Name :	Ctla8,Â Il17, Cytotoxic T-lymphocyte-associated antigen 8

Description

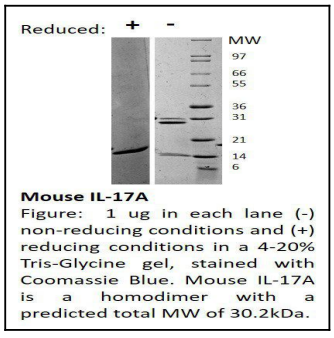
Source: Genetically modified E.coli.
Predicted MW:Â Dimer, 15.1/30.2 kDa (134/268 aa)
Interleukin 17A (IL-17A), also known as CTLA-8, is a member of the IL-17 family of proteins. Â IL-17A is a proinflammatory cytokine that is secreted by activatedÂ CD4+ and CD8+ T lymphocytes. Â IL-17A acts through its receptor, IL-17R, to promote increased cytokine and chemokine secretion. Â In turn, the cytokines and chemokines mediate the immunoregulatory function of IL-17A by promoting the proliferation, maturation, and chemoattraction of neutrophils to inflammatory sites.Â Elevated levels of IL-17A are associated with rheumatoid arthritis, airway inflammation, allograft rejection, inflammatory bowel disease, psoriasis, cancer, and multiple sclerosis.Â Human, mouse, and rat IL-17A show activity on mouse cells.Â Â

Product Info

Amount :	25 µg / 100 µg
Purification :	Reducing and Non-Reducing SDS PAGE at >= 95%
Content :	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA) Sterile water at 0.1 mg/mL
Storage condition :	Store at -20°C
Amino Acid :	MAAIIPQSSA CPNTEAKDFL QNVKVNLKVF NSLGAKVSSR RPSDYLNRST SPWTLHRNED PDRYPSVIWE AQCRHQRCVN AEGKLDHHMN SVLIQQEILV LKREPESCPF TFRVEKMLVG VGCTCVASIV RQAA

Application Note

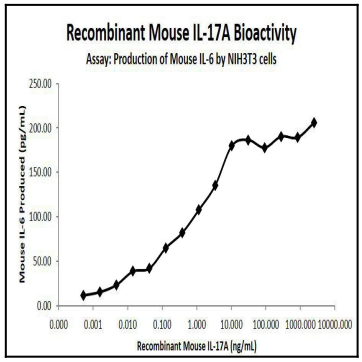
Endotoxin: Less than 0.1 ng/Ã‚Âµg (1 IEU/Ã‚Âµg) as determined by LAL test.
Biological Activity was determined by Production of IL-6 by mouse 3T3 cells at <= 5 ng/mL; >= 2.0 x 10^5 units/mg. Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80Ã‚Â°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vialed to compensate for this loss.



Mouse IL-17A
Figure: 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Mouse IL-17A is a homodimer with a predicted total MW of 30.2kDa.

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