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Datasheet for ABIN2666982

IL-17A/F Protein (AA 26-158, AA 29-161, Heterodimer)

1 Image

Overview

Quantity:	4 pack
Target:	IL-17A/F
Protein Characteristics:	Heterodimer, AA 26-158, AA 29-161
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	ELISA, Biochemical Assay (BCA)

Product Details

Purity: Purity is > 98 % , as determined by Coomassie stained SDS-PAGE.

Target Details

Target:	IL-17A/F
Alternative Name:	IL-17A/F (IL-17A/F Products)

Background: IL-17A/F is part of the IL-17 cytokine family which consists of six structurally related proteins (IL-17A, B, C, D, E, and F). IL-17A is expressed primarily by Th17 cells, a subset of CD4 T cells. IL-17F is most closely related to IL-17A. The two molecules share 50 % amino acid sequence homology. Like IL-17A, IL-17F mRNA and protein have been detected in Th17 cells. IL-17F and IL-17A exist as homodimers, adopting a cysteine knot motif formed through the interactions of four cysteines, one of which is responsible for the interchain bonding. IL-17F and IL-17A can form both homodimeric and heterodimeric proteins when expressed in a recombinant system and all forms of the recombinant proteins have in vitro functional activity. Mouse Th17 cells

Target Details

secret IL-17A/F as well as the homodimers IL-17A and IL-17F. IL-17A/F induces IL-6 and KC (CXCL1) production in mouse fibroblast and macrophages. IL-17A/F signals through IL-17A and TRAF6.

Molecular Weight: 30 kDa

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.,Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Prior to use, reconstitute the lyophilized powder with 0.2 mL of PBS containing a carrier protein (e.g., 1 % BSA, protease free), pH 7.4. Re-cap vial, vortex. Allow the reconstituted standard to sit at room temperature for 15 minutes, vortex again to mix completely. The reconstituted standard stock solution can be aliquoted into polypropylene vials and stored at -70 °C for up to one month.

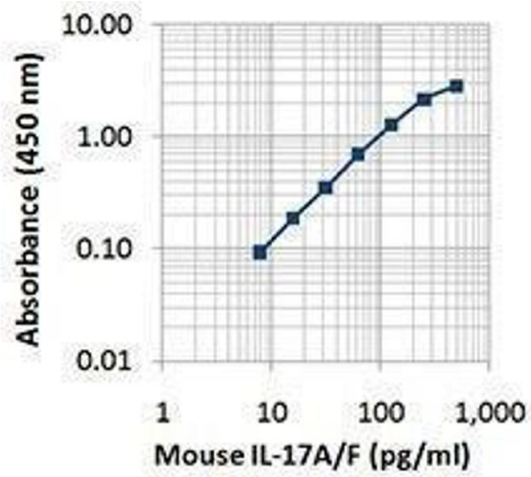
Buffer: Lyophilized in sterile-filtered PBS, pH 7.2, containing 1 % BSA.

Handling Advice: Use a manual defrost freezer and avoid repeated freeze thaw cycles.

Storage: 4 °C

Storage Comment: Upon receipt, store unopened vials between 2°C and 8°C immediately and use within 12 months from date of receipt.

Expiry Date: 12 months



ELISA

Image 1.