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Product datasheet for TA320360

IL17F Mouse Monoclonal Antibody [Clone ID: H17F10A7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	H17F10A7
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	interleukin 17F
Database Link:	NP_443104 Entrez Gene 112744 Human Q96PD4

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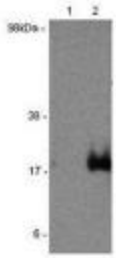
Background: The monoclonal antibody H17F10A7 reacts with human IL-17F, a member of the IL-17 family of pro-inflammatory cytokines. Like IL-17A, IL-17F is a disulfide-linked, homodimeric glycoprotein. The IL-17F homodimer includes a classical cysteine knot motif, which is found also in the TGF-?, BMP, and NGF superfamilies. The presence of the cysteine knot motif suggested the possibility of a heterodimeric structure, as was reported for TGF-? and inhibin/activin. Recent reports confirm that co-expression of IL-17F and IL-17A in HEK293 cells results in the formation of biologically active IL-17F/IL-17A heterodimers, in addition to the IL-17F homodimers and IL-17A homodimers. Moreover, activated human CD4+ T cells were found to produce the IL-17A/F heterodimer, along with the corresponding homodimers. In comparing the relative potency of IL-17A, IL-17F, and IL-17A/F, all three were found to induce GRO-a secretion; IL-17A was most potent, followed by IL-17A/F heterodimer, then IL-17F (100fold lower than IL-17A). These heterodimers can be detected by immunoprecipitation with eBio64CAP17 anti-IL-17A monoclonal antibody followed by immunoblot with H17F10A7.

Synonyms: CANDF6; IL-17F; ML-1; ML1

Protein Families: Druggable Genome, Secreted Protein

Product images:



IL-17 producing cells were generated by culturing human PBMC with anti-Human CD3 and anti-Human CD28 or PMA and Ionomycin in the presence of Brefeldin A (2) for 16 hours. Cell lysates were run under reducing conditions, immunoblotted with 2 ug/ml of Anti-Human IL-17F Purified and revealed with Anti-Mouse HRP.