

Human IL-17F Antibody

Monoclonal Mouse IgG_{2B} Clone # 197301 Catalog Number: MAB13351

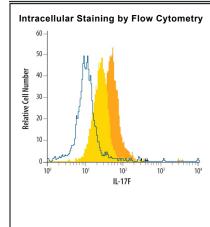
DESCRIPTION			
Species Reactivity	Human		
Specificity	Detects human IL-17F in direct ELISAs. Does not cross-react with recombinant human IL-17A, B, C, D, or E.		
Source	Monoclonal Mouse IgG _{2B} Clone # 197301		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	E. coli-derived recombinant human IL-17F Arg31-Gln163 Accession # Q96PD4		
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.		

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Immunocytochemistry	8-25 μg/mL	Human TH17 cells treated with PMA
Intracellular Staining by Flow Cytometry	2.5 μg/10 ⁶ cells	See Below

DATA



Detection of IL-17F in Activated Human PBMCs by Flow Cytometry. Human peripheral blood mononuclear cells were unstimulated (light orange filled histogram) or treated with 50 ng/mL PMA and 500 ng/mL calcium ionomycin for 24 hours (dark orange filled histogram), then stained with Mouse Anti-Human L-17F Monoclonal Antibody (Catalog # MAB13351) or isotype control antibody (Catalog # MAB0041, open histogram), followed by Phycoerythrin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0102B). To facilitate intracellular staining, cells were fixed with paraformaldehyde and permeabilized with saponin.

		STORA	

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.		
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.		
	*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C		

Stability & Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Interleukin-17F (IL-17F) is a disulfide-linked dimer belonging to the IL-17 family. IL-17 family proteins are pro-inflammatory cytokines that induce local cytokine production and are involved in the regulation of immune functions.

