

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse IL-17F in direct ELISAs.
Source	Monoclonal Rabbit IgG Clone # 1058A
Purification	Protein A or G purified from cell culture supernatant
Immunogen	<i>E.coli</i> -derived recombinant mouse IL-17F Ala21-Val153 Accession # Q7TNI7
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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
Intracellular Staining by Flow Cytometry	0.25-1 µg/10 ⁶ cells	Mouse splenocytes stimulated to induce Th17 cells

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

IL-17F, also called ML-1 or IL-24, is one of six IL-17 family members. All are homodimeric glycoproteins with conserved cysteines that form a cystine knot structure. IL-17F is a 44 kDa dimer expressed by activated monocytes that acts in a stimulation loop with activated CD4+T cells to produce IL-2, TGFβ and MCP-1. Like IL-17A, it recruits neutrophils to airways during allergic reactions. IL-17F has a long form and a short form (predominant), which have alternate start sites but similar function. Mouse IL-17F is 58% aa identical to human IL-17F.

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