

DESCRIPTION

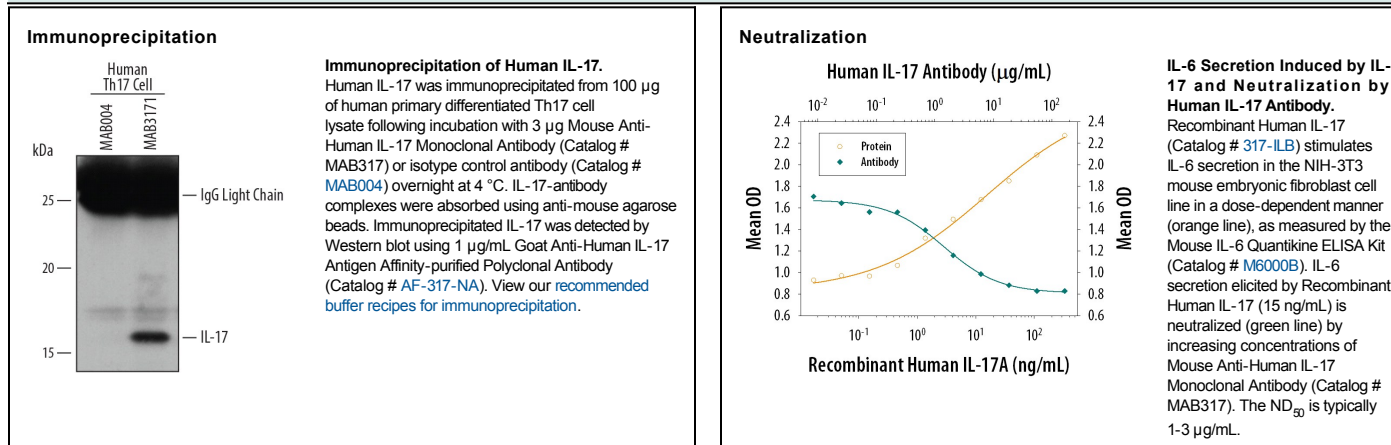
Species Reactivity	Human
Specificity	Detects human IL-17 in direct ELISAs. In direct ELISAs, approximately 12% cross-reactivity with recombinant canine IL-17 is observed and 25%-50% reactivity with recombinant human (rh) IL-17A/IL-17F heterodimer is observed. No cross-reactivity with recombinant mouse IL-17, rhIL-17B, rhIL-17C, rhIL-17D, rhIL-17E, or rhIL-17F is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 41809
Purification	Protein A or G purified from ascites
Immunogen	<i>E. coli</i> -derived recombinant human IL-17 Ile20-Ala155 Accession # Q16552
Endotoxin Level	<0.10 EU per 1 µg of the antibody by the LAL method.
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
Immunoprecipitation	3 µg/100 µg cell lysate	See Below
Human IL-17 Sandwich Immunoassay		Reagent
ELISA Capture	2-8 µg/mL	Human IL-17/IL-17A Antibody (Catalog # MAB317)
ELISA Detection	0.1-0.4 µg/mL	Human IL-17/IL-17A Biotinylated Antibody (Catalog # BAF317)
Standard		Recombinant Human IL-17/IL-17A (Catalog # 317-ILB)
Neutralization	Measured by its ability to neutralize IL-17-induced IL-6 secretion in the NIH-3T3 mouse embryonic fibroblast cell line. Yao, Z. <i>et al.</i> (1995) <i>Immunity</i> 3:811. The Neutralization Dose (ND ₅₀) is typically 1-3 µg/mL in the presence of 15 ng/mL Recombinant Human IL-17.	

DATA



PREPARATION AND STORAGE

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. <ul style="list-style-type: none"> ● 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

IL-17 is a pro-inflammatory cytokine secreted by activated T cells. It is the prototype member of the IL-17 family that also includes IL-17B, C, D, E, and F.