

# Monoclonal Anti-human IL-17A

## Product reference: DDX0330-DDX0339

### Description:

IL-17 (cytotoxic T lymphocyte associated antigen 8) is a CD4<sup>+</sup> T cell-derived cytokine that stimulates stromal cells and macrophages to secrete proinflammatory cytokines. To address a possible mechanism by which IL-17 may promote alloreactivity, we examined the influence of IL-17 on the differentiation and function of bone marrow-derived cells propagated in GM-CSF with or without IL-4 to promote dendritic cell (DC) growth. A minor proportion of CD11c<sup>+</sup> DC expressed the IL-17R. IL-17 promoted the maturation of DC progenitors, as evidenced by increased cell surface expression of CD11c, costimulatory molecules (CD40, CD80, CD86), and MHC class II Ag, and allostimulatory capacity. IL-17 had a lesser effect on the phenotype and function of more fully differentiated myeloid DC. These findings suggest a role for IL-17 in allogeneic T cell proliferation that may be mediated in part *via* a maturation-inducing effect on DC. IL-17 appears to be a novel target for therapeutic intervention in allograft rejection. hIL17 stimulate epithelial, endothelial, and fibroblastic cells to secrete cytokines such as IL-6, IL-8, and G-CSF and PGE2. (Fossiez F et al, 1996 ; J. Exp. Med., 183:2593-2603 ; Fossiez F. et al, 1998 ; Int. Rev. Immunol., 16:541-551)

### Specificity:

human IL-17A

### Immunogen:

rhCytotoxic T Lymphocyte associated-Antigen 8 transfected COS-7 cells

### Species cross-reactivity:

see table below

### Purification:

QMA Hyper D ion-exchange chromatography

### Formulation/size:

**Purified:** 100 µg in 200µl / 50 µg in 100 µl Tris-NaCl pH 8

**Coupled:** 100 µg in 200µl / 50 µg in 100 µl PBS 50% glycerol

### Available clones and formats:

Reference	Format	Clone	Isotype	Cross-reactivity	Application tested
DDX0330P-50	Purified	403D10.01 mAb5	mouse IgG1	dog	Neutralizing*, Intracellular flow cytometry
DDX0330P-100					ELISA detection
DDX0330B-50	Biotin (on request)	403D10.01 mAb5	mouse IgG1	dog	ELISA detection
DDX0330B-100					ELISA detection
DDX0331P-50	Purified (on request)	409C8.02	mouse IgG1	nd	Intracytoplasmic flow cytometry
DDX0331B-50					ELISA detection
DDX0331B-100	Biotin (on request)	409C8.02	mouse IgG1	nd	ELISA detection
DDX0333P-50	Purified (on request)	406G9.02	mouse IgG1	nd	Intracytoplasmic flow cytometry
DDX0333P-100					ELISA detection
DDX0333B-50	Biotin (on request)	406G9.02	mouse IgG1	nd	ELISA detection
DDX0333B-100					ELISA detection
DDX0334P-50	Purified	412G6.06 mAb16	mouse IgG1	mouse, dog	Elisa capture Neutralizing Intracytoplasmic flow cytometry, WB
DDX0334P-100					Elisa detection, WB
DDX0334B-50	Biotin (on request)	412G6.06 mAb16	mouse IgG1	mouse, dog	Elisa detection, WB
DDX0334B-100					Elisa detection, WB
DDX0334HRPO-50	HRPO (on request)	412G6.06 mAb16	mouse IgG1	mouse, dog	Elisa detection, WB
DDX0334HRPO-100					Elisa detection, WB
DDX0335P-50	Purified (on request)	414A11.03 mAb19	mouse IgG1	mouse IL17	Neutralizing*, WB
DDX0335P-100					Elisa detection (runs with 412G6.06 and 408H6.01), WB
DDX0335B-50	Biotin (on request)	414A11.03 mAb19	mouse IgG1	mouse IL17	Elisa detection (runs with 412G6.06 and 408H6.01), WB
DDX0335B-100					Elisa detection (runs with 412G6.06 and 408H6.01), WB
DDX0335HRPO-50	HRPO (on request)	414A11.03 mAb19	mouse IgG1	mouse IL17	Elisa detection (runs with 412G6.06 and 408H6.01), WB
DDX0335HRPO-100					Elisa detection (runs with 412G6.06 and 408H6.01), WB
DDX0336P-50	Purified	408H6.01 mAb 25	mouse IgG2a	mouse IL17	Elisa capture Neutralizing* Intracytoplasmic flow cytometry, WB
DDX0336P-100					Elisa detection, WB
DDX0336B-50	Biotin (on request)	408H6.01 mAb 25	mouse IgG2a	mouse IL17	Elisa detection, WB
DDX0336B-100					Elisa detection, WB
DDX0337P-50	Purified (on request)	409H7.05 mAb 13	mouse IgG1	nd	Neutralizing*, Intracytoplasmic flow cytometry
DDX0337P-100					Neutralizing*, Intracytoplasmic flow cytometry
DDX0338P-50	Purified (on request)	413C2.01	mouse IgG1	nd	Intracytoplasmic flow cytometry
DDX0338P-100					Intracytoplasmic flow cytometry
DDX0339P-50	Purified (on request)	412H6.03	mouse IgG1	nd	Intracytoplasmic flow cytometry
DDX0339P-100					Intracytoplasmic flow cytometry

\* neutralizing activity: mAbs anti-IL17 suppress IL6 and IL8 secretion by rheumatoid synovial fibroblasts.

**Other clones available on request**

### Usage recommendation:

\*These monoclonal antibodies may be used between 1-10 µg/ml.

\*Optimal dilution should be determined by each laboratory for each application.

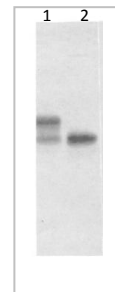
\*Coupled antibody: to maintain RT before use.

### Aliquot storage conditions

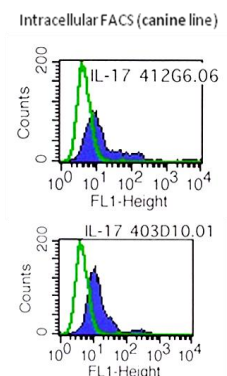
**-20°C. KEEP CONTENTS STERILE: no preservative.**

**Purified antibodies: avoid repeated freeze/thaw cycles.**

**Coupled antibodies: glycerol protects from freezing**



1-Human IL17 is a N-glycosylated dimer.  
2-Human IL17 digested by endoglycosidase -F.



Bonnefont C, pers comm 2010

**Not for use in Humans. For research purpose only**