



# Anti-IL17A monoclonal antibody, clone UD22-29I20.2 [PE/Cy7®] (CABT-WN1500)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                            |   |
|----------------------------|---|
| <b>Product Overview</b>    | Rat Monoclonal Antibody to Mouse Il17a molecule   |
| <b>Antigen Description</b> | IL-17, also known as CTLA-8, is a T cell-expressed pleiotropic cytokine that exhibits a high degree of homology to a protein encoded by the ORF13 gene of herpes virus Saimiri. Recent study has shown that IL-17 is produced by Th cells (Th17) that are distinct from the traditional Th1- and Th2-cell subsets. IL-23 plays an important role in triggering IL-17 production. Both recombinant and natural IL-17 have been shown to exist as disulfide linked homodimers. IL-17 exhibits multiple biological activities on a variety of cells including: the induction of IL-6 and IL-8 production in fibroblasts, activation of NF-kappaB, and costimulation of T cell proliferation. IL-17 is an essential inflammatory mediator in the development of autoimmune diseases. Neutralization of IL-17 with monoclonal antibody is able to ameliorate the disease course. |
| <b>Target</b>              | Il17a   |
| <b>Immunogen</b>           | E. coli-expressed, recombinant mouse IL-17A   |
| <b>Isotype</b>             | IgG1  |
| <b>Source/Host</b>         | Rat   |
| <b>Species Reactivity</b>  | Mouse, Rat, Human, Rhesus monkey  |
| <b>Clone</b>               | UD22-29I20.2  |
| <b>Purification</b>        | The antibody was purified by affinity chromatography, and conjugated with PE/Cy7 under optimal conditions. The solution is free of unconjugated PE/Cy7 and unconjugated antibody.   |
| <b>Conjugate</b>           | PE/Cy7  |
| <b>Applications</b>        | ICFC , ELISA(Cap), ELISPOT  |

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|---------------------|---|
| <b>Format</b>       | Liquid  |
| <b>Size</b>         | 25 µg   |
| <b>Buffer</b>       | Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide. |
| <b>Preservative</b> | 0.09% Sodium Azide  |
| <b>Storage</b>      | 2-8 °C (up to 1 month) below -15 °C (long term)                     |

## GENE INFORMATION

|                       |                        |
|-----------------------|------------------------|
| <b>Entrez Gene ID</b> | <a href="#">3605</a>   |
| <b>UniProt ID</b>     | <a href="#">Q16552</a> |