

**AF/LE Purified Anti-Mouse TCR  $\gamma/\delta$  Antibody[UC7-13D5]**

catalog number: E-AB-F11240

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.**Description**

<b>Reactivity</b>	Mouse
<b>Host</b>	Armenian Hamster
<b>Isotype</b>	Armenian Hamster IgG
<b>Clone</b>	UC7-13D5
<b>Buffer</b>	Sterile PBS, pH 7.2. < 1.0 EU per mg of the antibody as determined by the LAL method

**Preparation & Storage**

**Storage** Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles. This preparation contains no preservatives, thus it should be handled under aseptic conditions.

**Shipping** Ice bag

**Background**

T cell receptor (TCR) is a heterodimer consisting of an  $\alpha$  and a  $\beta$  chain (TCR  $\alpha/\beta$ ) or a  $\gamma$  and a  $\delta$  chain (TCR  $\gamma/\delta$ ). TCR  $\gamma/\delta$  belongs to the immunoglobulin superfamily, involved in the recognition of certain bacterial and tumor antigens bound to MHC class I. The TCR  $\gamma/\delta$  associates with CD3 and is expressed on a T cell subset found in the thymus, the intestinal epithelium, and the peripheral lymphoid tissues and peritoneum. Most  $\gamma/\delta$  T cells are CD4-/CD8-, some are CD8+. T cells expressing the TCR  $\gamma/\delta$  have been shown to play a role in oral tolerance, tumor-associated tolerance, and autoimmune disease. It has been reported that  $\gamma/\delta$  T cells also play a principal role in antigen presentation. Immobilized UC7-13D5 antibody has been reported to activate TCR- $\gamma/\delta$ -bearing T cells in vitro, and to deplete peripheral TCR- $\gamma/\delta$ -bearing T cells in vivo.

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