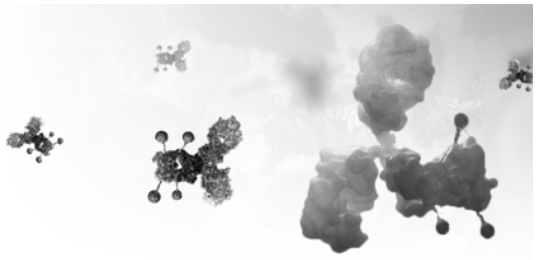

Armenian Hamster Anti-Mouse Vγ2 TCR Monoclonal antibody, clone UC3-10A6 (CABT-L4446)

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

PRODUCT INFORMATION

Product Overview	The UC3-10A6 monoclonal antibody reacts with an epitope on the delta chain of the mouse V γ2 TCR (V gamma 2 T cell receptor). Vγ2 TCR expressing T lymphocytes make up a large proportion of the γδ T cells in late fetal and adult thymus, peripheral lymphoid tissues, lung, intestinal epithelium, and epidermis. The exact function, ligand, and specificity of γδ TCR-expressing T cells are not completely understood. Studies suggest that these cells recognize bacterial ligands and some tumor cells in the context of MHC class I-like gene products and play a role in regulating the immune response during bacterial infection. The UC3-10A6 antibody has been shown to deplete γδ T cells when administered in vivo.
Target	Mouse Vγ2 TCR
Immunogen	G8 mouse T cells
Isotype	IgG, κ
Source/Host	Armenian Hamster
Species Reactivity	Mouse
Clone	UC3-10A6
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vivo γδ T cell depletion, FC

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Molecular Weight	150 kDa
Format	0.2 μM filtered liquid. Purified from tissue culture supernatant in an animal free facility
Concentration	Lot specific
Size	5 mg
Buffer	PBS, pH 7.0. Contains no stabilizers or preservatives. [low endotoxin azide-free] Endotoxin level: <2EU/mg (<0.002EU/μg). Determined by LAL gel clotting assay Related dilution buffer: CABT-LB04
Preservative	None
Storage	The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	Vγ2 TCR expressing T lymphocytes make up a large proportion of the γδ T cells in late fetal and adult thymus, peripheral lymphoid tissues, lung, intestinal epithelium, and epidermis. The exact function, ligand, and specificity of γδ TCR-expressing T cells are not completely understood. Studies suggest that these cells recognize bacterial ligands and some tumor cells in the context of MHC class I-like gene products and play a role in regulating the immune response during bacterial infection
Keywords	Vγ2 TCR;TCR V gamma 2;TCRGV2

GENE INFORMATION

References	Hartwig, T., et al. (2015). "Dermal IL-17-producing gammadelta T cells establish long-lived memory in the skin." Eur J Immunol. PubMed;

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