

anti-mouse γ/δ TCR PE-conjugated**Cat-No.: M22167P** **1 ml****Clone:** GL-3**Specificity:**

The anti-mouse gamma/delta T cell receptor monoclonal antibody reacts with the surface on all gamma/delta TCR bearing cells and does not react with receptors on alpha/beta TCR positive cells. It is thought that this clone may be specific for a determinant present on C-delta. The gamma/delta T cell receptors are present on murine CD4⁺CD8⁻ thymocytes, peripheral T cells, intestinal CD8⁺ intraepithelial lymphocytes and Thy 1⁺ dendritic epidermal cells in the skin. Use of this antibody in conjunction with an anti-CD3 monoclonal antibody allows for accurate measurements of the mutually exclusive sub-populations of gamma/delta TCR and alpha/beta TCR bearing T cells. The anti mouse gamma/delta TCR monoclonal antibody has also been used successfully for the characterization of murine intraepithelial lymphocytes.

Isotype subclass: Hamster IgG**Form:** Purified from ascitic fluid via Protein G Chromatography, PE conjugated**Physical state:** Liquid**Buffer/Additives/Preservative:** PBS containing 1 % BSA and 0.09 % sodium azide (pH 7.4).**Expiration date:** The reagent is stable until the expiry date stated on the vial label.**Storage conditions:** Store at 4 °C. Do not freeze. Avoid prolonged exposure to light.**Application:** Flow Cytometry**References:**

1. Brenner et al. 1986. Identification of a putative Second T Cell receptor. Nature (Lond.) 322:145.
2. Cron. R & et al. 1988. A functional subpopulation of peripheral murine T lymphocytes which express a novel T Cell Structure. J. Immunol. 141:1074.
3. Nakawishii, N.K. et al. 1987. Tg protein is expressed on fetal thymocytes as a disulphide - linked heterodimer. Nature (Lond.) 325:720.
4. Sowder et al. 1988. A large subpopulation of avian T cells express a homologue of the mammalian Tg/d receptor. J. Exp. Med. 167:315.
5. Goodman, T & L. Lefrancois. 1988. Expression of the gd TCR on intestinal CD8⁺ intraepithelial lymphocytes. Nature (Lond.) 333:855.
6. Skarstein, K. et al. 1994. Oligoclonality of T cells in salivary glands of autoimmune MRL/lpr mice. Immunology. 81:497-501.
7. Goodman, T & L. Lefrancois. 1989. Intraepithelial Lymphocytes. J. Exp. Med. Vol. 170:1569-1581.

Warning:

Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

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