

## Mouse IgG1 monoclonal antibodies directed to human ROR gamma (DNA binding domain) produced by clone 4F3-3C8-2B7 (HHMI)

**This mAb can be used to study inflammation and immunology related to Retinoid-Related Orphan Receptor(ROR)  $\gamma$  T. The clone has been validated for use in WB, FC & IF.**

Retinoid-related orphan receptor-gamma t (ROR $\gamma$ T) is one of two ROR $\gamma$  isoforms belonging to the nuclear hormone receptor family and contains a single nuclear receptor DNA-binding domain. ROR $\gamma$ T is a negative regulator of TNFDF6/FASL expression and T-cell production of IL2. The upregulation of ROR $\gamma$ T is a requirement for TH17 cell differentiation. Inhibition of ROR $\gamma$ T is induced by TGF- $\beta$ 's interaction with Foxp3. Expression is observed mainly in immature thymocytes, and, during fetal development, is found exclusively in lymphoid-inducer (LTi) cells. Biological source is hamster (Armenian).

### Technology ID

LIT01-59

### Category

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Life Sciences/Materials/Mouse Models

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