STAT5 beta Monoclonal Antibody (ST5b-10G1)

Catalog Number 13-5300

**Background/Target Information**

The protein encoded by this gene is a member of the STAT family of transcription factors. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein mediates the signal transduction triggered by various cell ligands, such as IL2, IL4, CSF1, and different growth hormones. It has been shown to be involved in diverse biological processes, such as TCR signaling, apoptosis, adult mammary gland development, and sexual dimorphism of liver gene expression. This gene was found to fuse to retinoic acid receptor-alpha (RARA) gene in a small subset of acute promyelocytic leukemias (APLL). The dysregulation of the signaling pathways mediated by this protein may be the cause of the APLL.


**Details**

- **Size**: 100 µg
- **Host / Isotype**: Mouse IgG2a
- **Class**: Monoclonal
- **Type**: Antibody
- **Clone**: ST5b-10G1
- **Immunogen**: A peptide corresponding to the unique carboxy-terminus of murine STAT5b coupled to a protein carrier.
- **Conjugate**: Unconjugated
- **Form**: Liquid
- **Purification**: Affinity chromatography
- **Storage Buffer**: PBS, pH 7.4
- **Contains**: 0.1% sodium azide
- **Storage Conditions**: -20°C

**Species Reactivity**

- Human, Mouse, Rat

**Tested Species Reactivity**

- Bovine, Human, Mouse, Not Applicable, Virus

**ChIP assay (ChIP)**

- Assay Dependent

**ELISA (ELISA)**

- Assay Dependent

**Gel Shift (GS)**

- Assay Dependent

**Immunocytochemistry (ICC)**

- 1:250

**Immunofluorescence (IF)**

- 1:250

**Immunoprecipitation (IP)**

- Assay Dependent

**Western Blot (WB)**

- 1:250

**Published Applications**

- See 6 publications below

- See 5 publications below

- See 2 publications below

- See 2 publications below

- See 1 publications below

- See 1 publications below

* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.


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