Anti-Mouse CD152-154Sm

Catalog #: 3154008B
Package Size: 100 tests
Storage: Store product at 4°C. Do not freeze.
Cross Reactivity: Mouse

Technical Information

Validation: Each lot of conjugated antibody is quality control tested by CyTOF® analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

Recommended Usage: The suggested use is 1 µl for up to 3 X 10^6 live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.

Description

CD152, also known as CTLA-4, is a key molecule that functions to inhibit activation of T cells and antigen-presenting cells (APCs). CD152 is a glycoprotein with structural similarities to CD28, in that it shares 20% sequence homology including the ligand-binding motif MYPP. Similar to CD28, CD152 binds CD80 (B7-1) and CD86 (B7-2), but with higher affinity than CD28. CTLA-4 appears to inhibit immune responses by several mechanisms and is a critical mediator of peripheral tolerance. Thus, CTLA-4 has a central and pivotal role in the maintenance of peripheral tolerance. The cytoplasmic domain of CTLA-4 includes ER retention motifs, which results in intracellular accumulation of newly synthesized CTLA-4.

References


Contact Information:
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