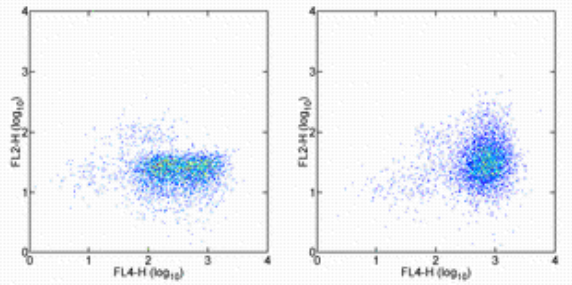
full spectrum cell analysis®
eBioscience®

Anti-Human CD152 (CTLA-4) PE

Catalog Number: 12-1528
Also Known As:CTLA4
RUO: For Research Use Only. Not for use in diagnostic procedures.



Intracellular staining of 3-day PHA-stimulated normal human peripheral blood cells with Anti-Human CD3 APC (cat. 17-0038) and Mouse IgG2a kappa Isotype Control PE (cat. 12-4724) (left) or Anti-Human CD152 (CTLA-4) PE (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Human CD152 (CTLA-4) PE
REF **Catalog Number:** 12-1528
Clone: eBio20A (20A, A3)
Concentration: 5 uL (0.125 ug)/test
Host/Isotype: Mouse IgG2a, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.
LOT **Batch Code:** Refer to Vial
Use By: Refer to Vial
Caution, contains Azide

Description

The eBio20A monoclonal antibody reacts with human CD152, also known as cytotoxic T lymphocyte antigen-4 (CTLA-4). CTLA-4, a protein with structural similarities to CD28, is expressed on activated T cells (activated B cells may also express CTLA-4) and binds the B7 family members, CD80 (B7-1) and CD86 (B7-2), with higher affinity than CD28 does. CTLA-4 and CD28 appear to deliver opposing signals to T cells: while CD28 is a potent costimulator, CTLA-4 restricts the progression of T cells to an activated state by inhibiting IL-2 secretion and cellular proliferation. The cytoplasmic portion of CTLA-4 contains ER retention motifs, resulting in intracellular localization of a large proportion of newly synthesized CTLA-4 in response to TCR signaling.

Applications Reported

This eBio20A (20A, A3) antibody has been reported for use in flow cytometric analysis.

Applications Tested

This eBio20A (20A, A3) antibody has been pre-titrated and tested by intracellular staining and flow cytometric analysis of PHA stimulated human PBMCs. This can be used at 5 µL (0.125 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

References

Vandenborre K, et al. *American Journal of Pathology* (1998) 152: 963-73.
Vandenborre K, et al. *Immunology* (1999) 98: 1-10.
T.L. Walunas, et al. *Immunity* (1994) 1: 405-413.
N.J. Karandikar, et al. *Journal of Experimental Medicine* (1996) 184: 783-788.

Related Products

12-1520 Anti-Rat CD152 (CTLA-4) PE (WKH203)
12-1522 Anti-Mouse CD152 (CTLA-4) PE (UC10-4B9)
12-1529 Anti-Human CD152 (CTLA-4) PE (14D3)
12-4724 Mouse IgG2a K Isotype Control PE
17-0038 Anti-Human CD3 APC (UCHT1)