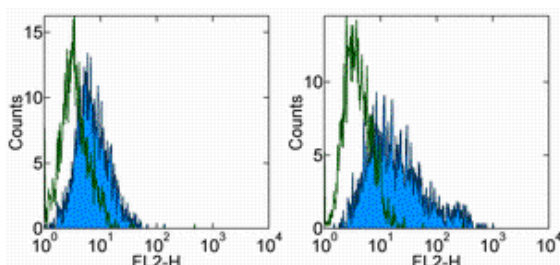


Anti-Human B7-H4 Functional Grade Purified

Catalog Number: 16-5949

Also Known As: B7H4, B7S1, B7-S1, B7X

RUO: For Research Use Only



Staining of non-transfected (left) and human B7-H4 transfected (right) 293T cells with 0.125 µg of Mouse IgG1 K Isotype Control Purified (cat. 14-4714) (open histogram) or 0.125 µg of Anti-Human B7-H4 Functional Grade Purified (filled histogram) followed by Anti-Mouse IgG Biotin (cat. 13-4013) and Streptavidin PE (cat. 12-4317). Total cells were used for analysis.

Product Information

Contents: Anti-Human B7-H4 Functional Grade Purified

REF **Catalog Number:** 16-5949

Clone: H74

Concentration: 1 mg/ml

Host/Isotype: Mouse IgG1, κ


Handling Conditions: Use in sterile environment.

Endotoxin Level: Less than 0.001 ng/ug antibody, as determined by the LAL assay.

Formulation: aqueous buffer, no sodium azide

 **Temperature Limitation:** Store at 2-8°C.

LOT **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

Description

The H74 monoclonal antibody was generated and reacts with human B7-S1, also known as B7-H4 and B7x. Cross reactivity of this antibody to other proteins has not been determined. B7S1 is a newly discovered member of the B7 family. It is speculated that the costimulatory regulation of T cells by B7S1 is influenced by the activation status of B cells. While it is reported that BTLA is a counter receptor for B7S1, further studies are needed to definitely determine the B7-H4 ligand. H74 stains human B7-H4 transfected cells and not peripheral blood cells. Exact expression pattern of B7-H4 has not been fully characterized.

Applications Reported

This H74 antibody has been reported for use in flow cytometric analysis. Applicability of this antibody in *in vitro* assays for blocking or activation has not been determined.

Applications Tested

This H74 antibody has been tested by flow cytometric analysis of transient hB7-H4 transfected cells. This can be used at less than or equal to 0.25 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Related Products

11-4011 Anti-Mouse IgG FITC

11-4317 Streptavidin FITC

12-4317 Streptavidin PE

13-4013 Anti-Mouse IgG Biotin (Polyclonal)

16-4714 Mouse IgG1 K Isotype Control Functional Grade Purified

17-4317 Streptavidin APC

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