

Purified anti-human B7-H4

Catalog # / Size: 2390510 / 100 µg
2390505 / 25 µg

Clone: MIH43

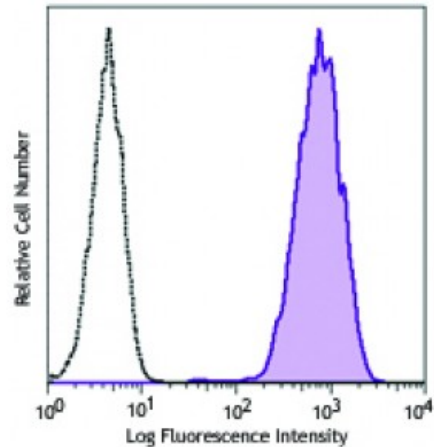
Isotype: Mouse IgG1, κ

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5



Human B7-H4 transfected P815 cells were stained with purified B7-H4 (clone MIH43, filled histogram) or purified mouse IgG1, κ isotype control (open histogram), followed by anti-mouse IgG PE.

Applications:

Applications: Flow Cytometry, Immunohistochemistry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤0.5 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications (for the relevant formats) includes immunofluorescence2.

Application References: 1. Quandt D, *et al.* 2011. *Clin. Cancer Res.* 17:3100. (IHC)
2. Smith JB, *et al.* 2014. *Gynecol. Oncol.* 134:181. (FC, IF, IHC)

Description: B7-H4, also known as VTCN1, is a type I transmembrane protein and member of the B7 family. Its extracellular region consists of one IgV-like and one IgC-like domain. B7-H4 expression has been reported on activated T cells, B cells, monocytes, and dendritic cells. On T cells, B7-H4 inhibits proliferation, cytokine secretion, and cytotoxicity. B7-H4 is also expressed by different carcinomas including renal, gastric, breast, ovarian and melanoma. Its expression is associated with a poor prognosis.

Antigen References: 1. Fauci JM, *et al.* 2012. *Gynecol. Oncol.* 127:420.
2. Chen C, *et al.* 2012. *J. Immunother.* 35:354.
3. Guo G, *et al.* 2012. *Clin. Rheumatol.* 31:271.
4. Arigami T, *et al.* 2010