Mouse B7-H4 Alexa Fluor® 350-conjugated Antibody

Monoclonal Rat IgG_{2B} Clone # 297219

Catalog Number: FAB2154U

100 µg

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse B7-H4 in direct ELISAs and Western blots. In Western blots, no cross-reactivity with recombinant mouse (rm) B7-1, rmB7-2, rmB7-H1, rmB7-H2, rmB7-H3, recombinant human (rh) B7-H3b, rhB7-H4, or rmPD-L2 is observed.
Source	Monoclonal Rat IgG_{2B} Clone # 297219
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse B7-H4 Phe29-Pro258 Accession # Q7TSP5
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 µg/10^6 cells	RAW 264.7 mouse monocyte/macrophage cell line

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

B7-H4, also known as B7x and B7S1, belongs to the B7 family of costimulatory proteins and contains two extracellular Ig-like domains. B7-H4 is expressed on T cells, B cells, monocytes/macrophages, dendritic cells, and some tumor cells. B7-H4 signaling inhibits T cell activation, proliferation and maturation.

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