

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse B7-H2 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human (rh) B7-H2, rhB7-H3, rhB7-H3b, rhPD-L2, recombinant mouse (rm) B7-1, rmB7-2, rmB7-H1, rmB7-H3, rmB7-H4, rmPD-L2, or recombinant rat B7-2 is observed.
Source	Monoclonal Rat IgG ₁ Clone # 599841
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse B7-H2 Glu47-Lys279 Accession # Q9JHJ8
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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	A20 mouse B cell lymphoma 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-H2, also called B7RP-1 and ICOSL, is a 60 kDa member of the B7 family of immune costimulatory proteins. It is expressed on resting B cells, dendritic cells, monocytes, alveolar epithelial cells, and placental trophoblasts. B7-H2 interactions with ICOS promote lymphocyte differentiation and activation. Within the ECD, mouse B7-H2 shares 49% and 70% aa sequence identity with human and rat B7-H2, respectively.

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