

DESCRIPTION

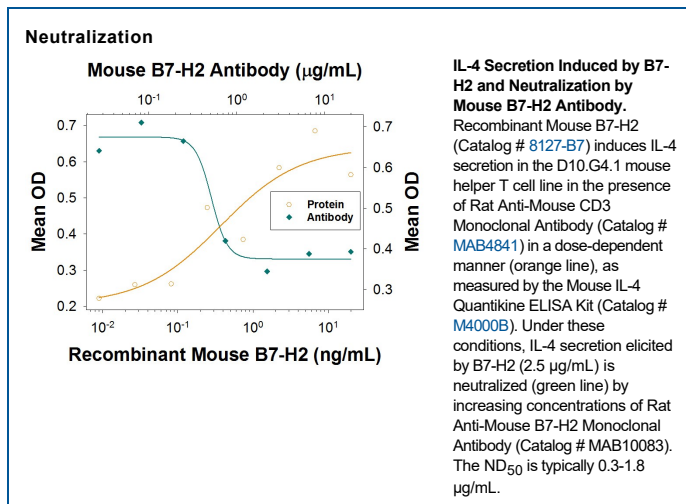
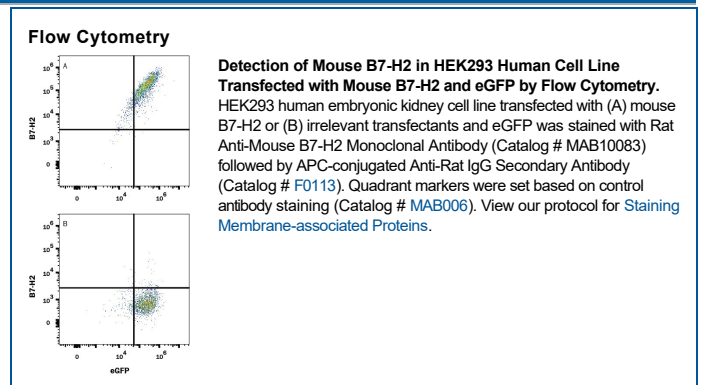
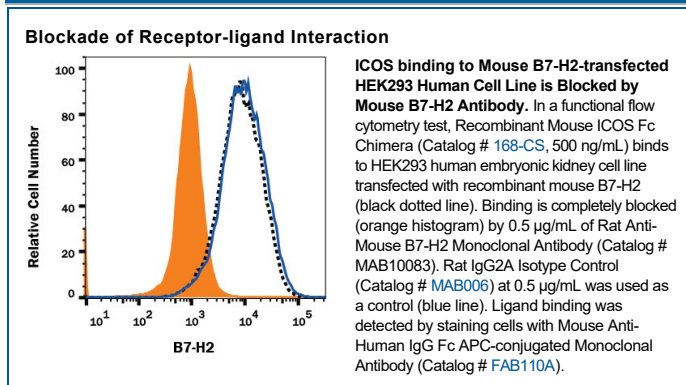
Species Reactivity	Mouse
Specificity	Detects mouse B7-H2 in direct ELISAs.
Source	Monoclonal Rat IgG _{2A} Clone # 987602
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse B7-H2 Met1-Lys279 Accession # Q9JHJ8
Endotoxin Level	<0.10 EU per 1 µg of the antibody by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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
Blockade of Receptor-ligand Interaction	0.5 µg/10 ⁶ cells	See Below
Flow Cytometry	0.25 µg/10 ⁶ cells	See Below
CytoF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	
Neutralization	Measured by its ability to neutralize B7-H2-induced IL-4 secretion in the D10.G4.1 mouse helper T cell line. The Neutralization Dose (ND ₅₀) is typically 0.3-1.8 µg/mL in the presence of 2.5 ng/mL Recombinant Mouse B7-H2 and Rat Anti-Mouse CD3 Monoclonal Antibody.	

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none">• 12 months from date of receipt, -20 to -70 °C as supplied.• 1 month, 2 to 8 °C under sterile conditions after reconstitution.• 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.