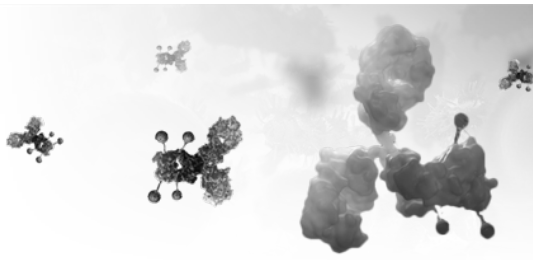

Rat Anti-Mouse CD276 (B7-H3) Monoclonal antibody, clone MJ18 (CABT-L4420)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	The MJ18 monoclonal antibody reacts with mouse CD276 also known as B7-H3. CD276 is a type I transmembrane protein and a member of the B7 family of co-stimulatory proteins.
Target	Mouse CD276 (B7-H3)
Immunogen	Mouse B7-H3 IgG2a fusion protein
Isotype	IgG1, κ
Source/Host	Rat
Species Reactivity	Mouse
Clone	MJ18
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vivo B7-H3 blockade, FC
Molecular Weight	150 kDa
Format	0.2 μM filtered liquid. Purified from tissue culture supernatant in an animal free facility
Concentration	Lot specific
Size	5 mg
Buffer	PBS, pH 7.0. Contains no stabilizers or preservatives. [low endotoxin azide-free]

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	Endotoxin level: <2EU/mg (<0.002EU/μg). Determined by LAL gel clotting assay Related dilution buffer: CABT-LB04
Preservative	None
Storage	The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	The MJ18 monoclonal antibody reacts with mouse CD276 also known as B7-H3. CD276 is a type I transmembrane protein and a member of the B7 family of co-stimulatory proteins. CD276 is expressed weakly on activated lymphocytes, macrophages, dendritic cells, nasal and airway epithelial cells, osteoblasts, and some tumor cell lines. A soluble form of CD276 is also secreted by monocytes, dendritic cells, and activated T cells. The biological role of CD276 is still under investigation however, recent studies suggest a negative regulatory role for CD276 in T cell responses. The MJ18 antibody has been shown to block CD276 when administered in vivo.
Keywords	CD276;CD276 antigen;B7h3;B7RP-2;AU016588;6030411F23Rik;B7-H3;B7 homolog 3;costimulatory molecule;

GENE INFORMATION

Official Symbol	CD276 antigen
Synonyms	CD276; CD276 antigen; B7h3; B7RP-2; AU016588; 6030411F23Rik; B7-H3; B7 homolog 3; costimulatory molecule;
References	Kamachi, F., et al. (2015). "ICOS promotes group 2 innate lymphoid cell activation in lungs." Biochem Biophys Res Commun 463(4): 739-745. PubMed;

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