



Anti-CD276 monoclonal antibody, clone MJ18 [FITC] (CABT-51730RM)

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

PRODUCT INFORMATION

Product Overview

Rat anti Mouse CD276 antibody, clone MJ18 specifically recognizes mouse CD276, otherwise known as B7-H3, a ubiquitously expressed transmembrane glycoprotein and member of the B7 family of co-stimulatory molecules, which acts as both a positive and negative regulator of T-cell-mediated immune responses. CD276 is highly expressed in bone during embryogenesis, and can be induced on dendritic cells and monocytes by inflammatory cytokines. CD276 has been implicated in the development of acute and chronic transplant rejection, and is reported to have therapeutic potential as a regulator of cell-mediated immune responses to cancer, particularly in conjunction with anti-angiogenic therapy. In mice, CD276 has been linked with the development of pathogenic Th2 cells during the induction phase of allergic asthma and have shown that Rat anti Mouse CD276 antibody, clone MJ18 inhibits stimulated CD4+ T-cell proliferation. Flow Cytometry Use 10ul of the suggested working dilution to label 1x10⁶ cells in 100ul.

Specificity	CD276
Immunogen	Mouse IgG2a Fc-CD276 (aa 1-242)
Isotype	IgG1
Source/Host	Rat
Species Reactivity	Mouse
Clone	MJ18
Conjugate	FITC
Applications	FC
Format	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

Size	100 µg
Preservative	0.09% Sodium Azide
Storage	in frost-free freezers is not recommended. This product should be stored undiluted. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	Cd276 CD276 antigen [Mus musculus (house mouse)]
Official Symbol	CD276
Synonyms	CD276; CD276 antigen; B7h3; B7RP-2; AU016588; 6030411F23Rik; B7-H3; B7 homolog 3; costimulatory molecule;
Entrez Gene ID	102657
Protein Refseq	NP_598744
UniProt ID	Q8VE98
Chromosome Location	9 B; 9
Pathway	Cell adhesion molecules (CAMs);
Function	receptor binding;