

Product datasheet for TA420139

CLEC7A Mouse Monoclonal Antibody [Clone ID: BD6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	BD6
Applications:	FC
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	NIH3T3 cells expressing full length Beta-glucan receptor.
Specificity:	DECTIN-1
Formulation:	Phosphate buffered saline containing 0.09% Sodium Azide (NaN ₃) Label: ALEXA FLUOR [®] 488,ALEXA FLUOR [®] 647,FITC,Purified,RPE State: Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant Purified IgG - liquid
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	+4°C, -20°C if preferred
Stability:	Shelf life: one year from despatch.
Gene Name:	C-type lectin domain family 7 member A
Database Link:	Q9BXN2



Background:

Mouse anti Human Dectin-1 antibody, clone BD6 recognizes human Dectin-1, also known as beta-glucan receptor (β GR) or CD369. Dectin-1 is a C-type lectin domain family member. It is a major pathogen pattern-recognition receptor that binds beta-glucans, glucose polymers that form cell-wall components or exopolymers of yeasts, fungi and some bacteria. Beta-glucans have also been used experimentally and therapeutically as immunomodulators that enhance resistance to bacterial, yeast, viral and protozoan infections, as well as tumor formation. Dectin-1 also acts as a co-stimulatory molecule on T-cells to induce their proliferation and is necessary for the TLR2-mediated inflammatory response. It is highly expressed on peripheral blood leukocytes and dendritic cells. Human Dectin-1 has two major (β GR-A and β GR-B) and several minor isoforms. β GR-A and β GR-B differs by the presence and absence, respectively, of a stalk region. Mouse anti Human Dectin-1 antibody, clone BD6 recognizes β GR-A only.

Synonyms:

BETA GLUCAN RECEPTOR,CD369