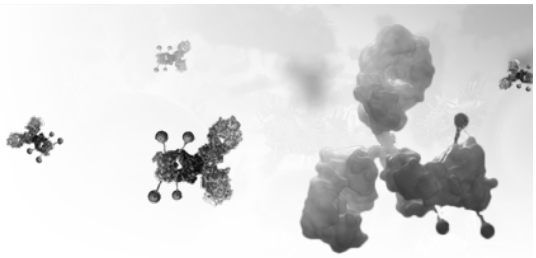

Anti-CLEC7A monoclonal antibody, clone BD6 (CABT-47570MH)

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

PRODUCT INFORMATION

Antigen Description	Dectin-1, also known as beta-glucan receptor (βGR), 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 (βGR-A and βGR-B) and several minor isoforms. βGR-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 βGR-A only.
Immunogen	NIH3T3 cells expressing full length Beta-glucan receptor
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	BD6
Conjugate	Unconjugated
Applications	FC
Format	Purified IgG - liquid
Concentration	IgG concentration 1.0mg/ml

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Size	25 µg
Buffer	Phosphate buffered saline
Preservative	0.09% Sodium Azide
Storage	Store at +4° C or at -20° C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. 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	CLEC7A C-type lectin domain family 7, member A [Homo sapiens (human)]
Official Symbol	CLEC7A
Synonyms	BGR; CANDF4; DECTIN1; CLECSF12; Dectin-1
Entrez Gene ID	968
Protein Refseq	NP_072092
UniProt ID	Q9BXN2
Chromosome Location	12p13.2
Pathway	Phagosome, organism-specific biosystem; Phagosome, conserved biosystem; Tuberculosis, organism-specific biosystem; Tuberculosis, conserved biosystem
Function	MHC protein binding; carbohydrate binding; metal ion binding; protein binding; signaling pattern recognition receptor activity

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