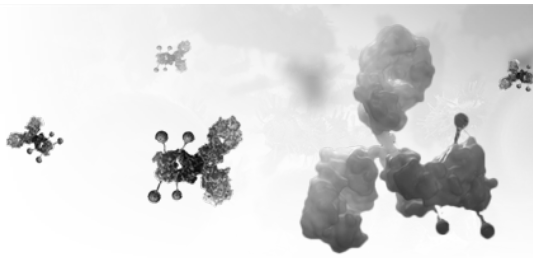

Human Anti-Human CD38 (Daratumumab) Monoclonal Antibody, clone Daratumumab [Biosimilar] (CABT-Z689H)

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

PRODUCT INFORMATION

Specificity	Detects human CD38. This non-therapeutic antibody uses the same variable region sequence as the therapeutic antibody Daratumumab.
Immunogen	Human CD38.
Isotype	IgG1
Source/Host	Human
Species Reactivity	Human
Clone	Daratumumab
Purification	Protein A or G purified
Conjugate	Functional Grade
Applications	FA
Format	Liquid
Concentration	Lot specific
Size	5 mg
Buffer	0.01 M phosphate buffered saline (PBS) pH 7.2, 150 mM NaCl with no carrier protein, potassium or preservatives added. BSA and Azide free. Endotoxin Level ≤ 0.75 EU/mg as determined by the LAL method

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Preservative	None
Storage	Store at 2-8℃ for short term; -80℃ for long term. Avoid freeze / thaw cycle.
Ship	Wet ice

BACKGROUND

Introduction	CD38 is a 45kD type II transmembrane glycoprotein that plays a role in the regulation of intracellular Ca2+ by synthesizing and hydrolyzing an intracellular calcium ion mobilizing messenger. CD38 has both extracellular and intracellular functions as indicated by the release of soluble protein and the ability of membrane-bound protein to become internalized. The functional molecule is a dimer that contains the catalytic site in the central portion, and is involved in both extracellular and intracellular functions. CD38 plays a role in cell adhesion, signal transduction and calcium signaling. CD38 has been used as a biomarker to measure the progress of a chronic lymphocytic leukemia in patients. Because CD38 is expressed on mature lymphocytes and lymphoplasmacytic cells, OKT10 can be used to study final B cell maturation. OKT10 reactivity with CD38 occurs in an inversely proportional relationship to the occurrence of Ia-like antigenic expression. Hence, these two antigens can be used as reciprocal complementary reactants for the study of mature B cell malignancies, such as CLL, multiple myeloma, and Waldenström malignancy.
Keywords	CD38;CD38 molecule;T10;ADP-ribosyl cyclase 1;ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase;CD38 antigen

GENE INFORMATION

Gene Name	CD38
Entrez Gene ID	952
UniProt ID	P28907

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221