CD38 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CD38, Monoclonal Antibody
Full Product Name	Anti-Human CD38 BG Violet 450
Product Gene Name	anti-CD38 antibody
Clonality	Monoclonal
Isotype	Mouse IgG1, kappa
Clone Number	HIT2
Host	Mouse
Species Reactivity	Human
Form/Format	Phosphate-buffered aqueous solution, <=0.09% Sodium azide, may contain carrier protein/stabilizer, ph7.2.
Purity/Purification	The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.
Preparation and Storage	The product should be stored undiluted at 4 degree C and should be protected from prolonged exposure to light.
Conjugation	BG Violet 450
Applications Tested/Suitable for anti-CD38 antibody	Flow Cytometry (FC/FACS)
Related Product Information for anti-CD38 antibody	The HIT2 monoclonal antibody specifically bind to human CD38, a 45kda type II transmembrane glycoprotein. CD38 is expressed on activated T cells, plasma cells, monocytes, macrophages, dendritic cells, and thymocytes. CD38 displays cyclase and hydrolase enzymatic activity and is involved in lymphocyte adhesion, activation, and cell signaling. Its ligand is CD31.
Product References and Citations for anti-CD38 antibody	Deaglio, S., Morra, M., Mallone, R., Ausiello, C. M., Prager, E., Garbarino, G.,... & Malavasi, F. (1998). Human CD38 (ADP-ribosyl cyclase) is a counter-receptor of CD31, an Ig superfamily member. The Journal of Immunology,160(1), 395-402. McMichael, A. J. (1987). Leucocyte typing III: white cell differentiation antigens. Oxford University Press, USA. HORENSTEIN, A., STOCKINGER, H., Imhof, B., & MALAVASI, F. (1998). CD38 binding to human myeloid cells is mediated by mouse and human CD31.Biochem. J, 330, 1129-1135.
Other Notes	Small volumes of anti-CD38 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CD38 purchase	MBS696909 is an antibody targeting CD38. Also known as Anti-Human CD38 BG Violet 450. Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD38. It may not necessarily be applicable to this product.

Protein Family	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.

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