BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-CD38 Antibody

Catalog Number: A00193

About CD38

FLT3 encodes a class III receptor tyrosine kinase that regulates hematopoiesis. The receptor consists of an extracellular domain composed of five immunoglobulin-like domains, one transmembrane region, and a cytoplasmic kinase domain split into two parts by a kinase-insert domain. The receptor is activated by binding of the fms-related tyrosine kinase 3 ligand to the extracellular domain, which induces homodimer formation in the plasma membrane leading to autophosphorylation of the receptor. The activated receptor kinase subsequently phosphorylates and activates multiple cytoplasmic effector molecules in pathways involved in apoptosis, proliferation, and differentiation of hematopoietic cells in bone marrow. Mutations that result in the constitutive activation of this receptor result in acute myeloid leukemia and acute lymphoblastic leukemia.

Sekine S et,al. (2008) J Immunol. ;180(12):8126-34
Pratz K et,al. (2008) Leuk Lymphoma. 2008 ;49(5):852-63.
Al Shaer L et,al. (2008) Br J Haematol. 141(4):483-93.

Overview

Product Name	Anti-CD38 Antibody
Reactive Species	Human
Description	Boster Bio Anti-CD38 Antibody catalog # A00193. Tested in WB,IHC applications. This antibody reacts with Human.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P28907

Technical Details

Immunogen	Synthesized peptide derived from human Flt-3 around the phosphorylation site of Y969.
Predicted Reactive Species	Canine, Monkey
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Form	Liquid
Concentration	1 mg/ml
Purification	ProA affinity purified
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: WB: 1:1,000 IHC: 1:50-1:200

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-CD38 Antibody (A00193) Images

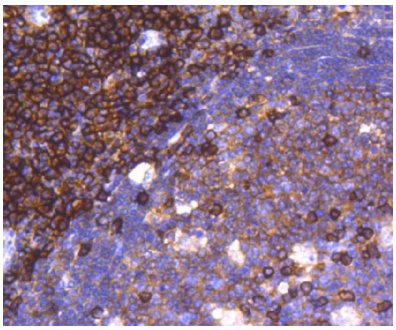

Figure 2. Immunohistochemistry validation of CD38 using Anti-CD38 Antibody (A00193).

Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-CD38 antibody. Counter stained with hematoxylin.
For more protocol information of IHC

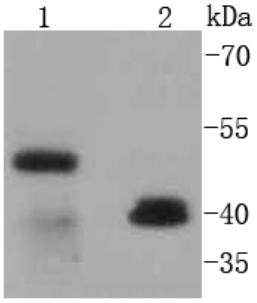

Figure 1. Western blotting validation for Anti-CD38 Antibody A00193

Western blot analysis of CD38 on different lysates using anti-CD38 antibody at 1/1

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a $20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.

Biocompare PI: PRODUCT INVESTIGATOR

amazon.com $20