

PRODUCT INFORMATION

Clone ID	DMC213
Target	CD24
Synonyms	CD24A
Host Species	Rabbit
Description	Anti-CD24 antibody(DMC213); IgG1 Chimeric mAb
Delivery	In Stock
Uniprot ID	P25063
IgG type	Rabbit/Human Fc chimeric IgG1
Clonality	Monoclonal
Reactivity	Human
Applications	ELISA; Flow Cyt; WB; IHC
Recommended Dilutions	ELISA 1:5000-10000; Flow Cyt 1:100; WB 1:1000; IHC 1:100
Purification	Purified from cell culture supernatant by affinity chromatography
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage & Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	This gene encodes a sialoglycoprotein that is expressed on mature granulocytes and B cells and modulates growth and differentiation signals to these cells. The precursor protein is cleaved to a short 32 amino acid mature peptide which is anchored via a glycosyl phosphatidylinositol (GPI) link to the cell surface. This gene was missing from previous genome assemblies; but is properly located on chromosome 6. Non-transcribed pseudogenes have been designated on chromosomes 1; 15; 20; and Y. Alternative splicing results in multiple transcript variants.
Usage	Research use only
Conjugate	Unconjugated
DIMA Disclaimer	All DIMA recombinant antibodies are genuinely generated by DIMA Biotech. They are all under patent application. Any protein sequencing or reverse engineering attempt is prohibited. We are actively scrutinizing all patent application to ensure no IP infringement.



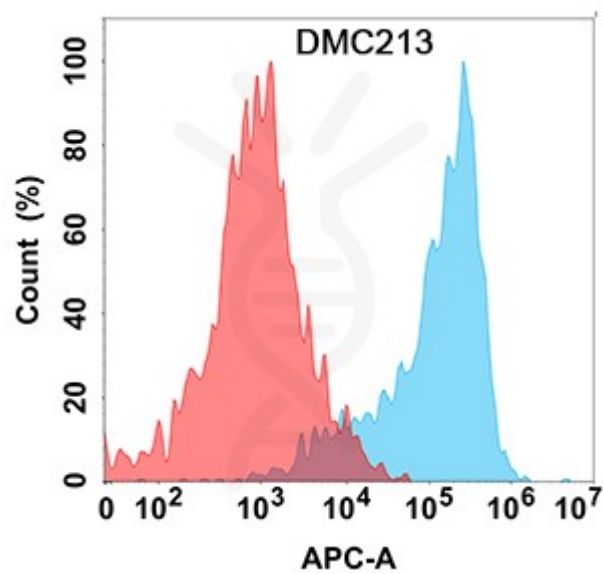


Figure 1. Flow cytometry analysis with Anti-CD24 (DMC213) on HEK293 cells transfected with human CD24 (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).



Figure 2. Anti-CD24 antibody (SKU# DMC100213) at 1/1000 dilution

Lane : Huh7, whole cell lysate

Secondary : Goat Anti-Rabbit IgG H&L (HRP) at 1/5000 dilution

Predicted band size: 61 kDa

Observed band size: 25-135 kDa



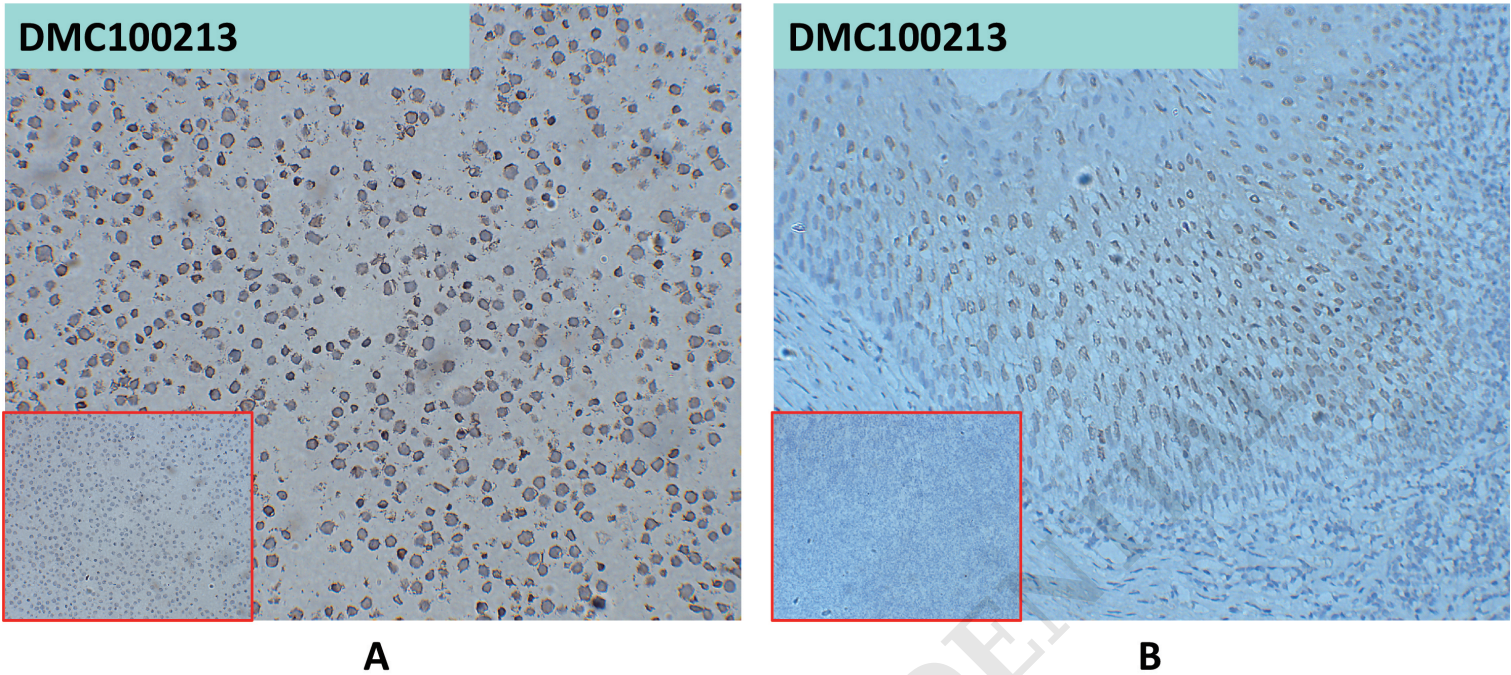


Figure 3. A. DMC100213 at 10µg/ml staining CD24 in K562-CD24 cells by IHC (SKU# DMC100213);B. DMC100213 at 10µg/ml staining CD24 in human tonsil tissue by IHC (SKU# DMC100213)

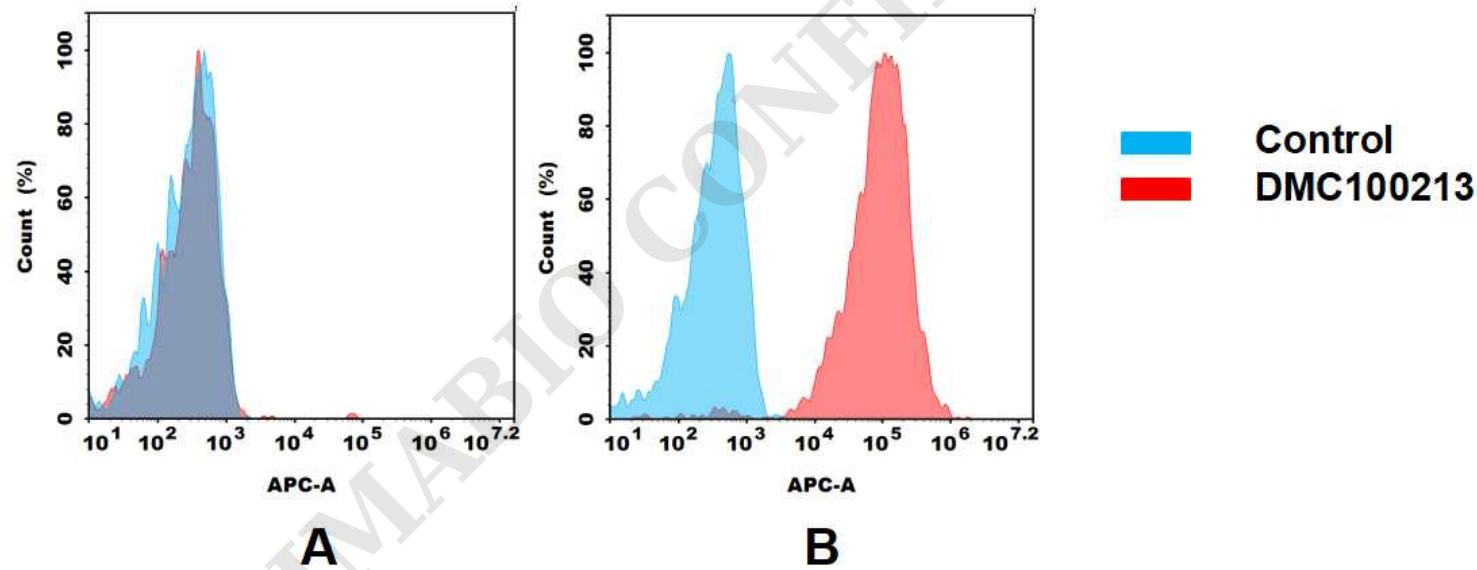


Figure 4. Flow cytometry analysis of antigen binding of anti-human CD24 mAb(DMC100213).
(A) DMC100213 does not bind to Jurkat cells that do not express CD24.
(B) A clear peak shift of DMC100213 was seen compared to the control when incubated with CD24-expressing MCF-7 cells, indicating strong binding of DMC100213 to CD24. Antibodies were incubated at 10 µg/mL.

