
CD24 Rabbit pAb

Catalog Number: bs-0528R

Target Protein: CD24

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), Flow-Cyt (1ug/Test)

Reactivity: Human, Mouse (predicted:Rat)

Predicted MW: 8 kDa

Detected MW: 35-45 kDa

Entrez Gene: 100133941

Swiss Prot: P25063

Source: KLH conjugated synthetic peptide derived from human CD24 Propeptide: 60-80/80.

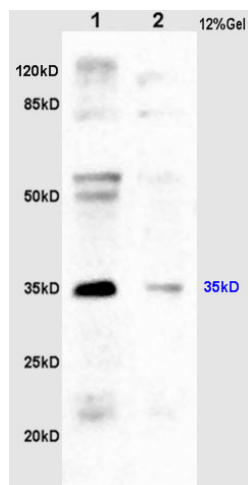
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

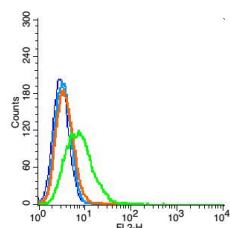
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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. [provided by RefSeq, Apr 2014]

VALIDATION IMAGES



Sample: Colon carcinoma (Human) lysate at 30ug; Heart(Rat) lysates, 30ug; Primary: Anti-CD24 (bs-0528R) at 1:200 dilution; Secondary: HRP conjugated Goat-Anti-Rabbit IgG(bs-0295G-HRP) at 1: 3000; Predicted band size : 8kD Observed band size : 35kD



Blank control: A549 (blue). Primary Antibody: Rabbit Anti-CD24 antibody(bs-0528R), Dilution: 1µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG(orange) ,used under the same conditions); Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA. Protocol The cells were fixed with 2% paraformaldehyde (10 min) . Primary antibody (bs-0528R, 1µg /1x10⁶ cells) were incubated for 30 min on the ice, followed by 1 X PBS containing 0.5% BSA + 1 0% goat serum (15 min) to block non-specific protein-protein interactions. Then the Goat Anti-rabbit IgG/PE antibody was added into the blocking buffer mentioned above to react with the primary antibody at 1/200 dilution for 30 min on ice. Acquisition of 20,000 events was performed.

PRODUCT SPECIFIC PUBLICATIONS

[IF=4.103] Qi Sun. et al. Denosumab alleviates intervertebral disc degeneration adjacent to lumbar fusion by inhibiting endplate osteochondral remodeling and vertebral osteoporosis in ovariectomized rats. *Arthritis Res Ther.* 2021 Dec;23(1):1-16 IHC ; Rat . 34049577

[IF=3.23] Khan, Mohammed I., et al. "Comparative Gene Expression Profiling of Primary and Metastatic Renal Cell Carcinoma Stem Cell-Like Cancer Cells." *PLOS ONE* 11.11 (2016): e0165718. ICC ; ="Human" . 27812180

[IF=3.17] Szafarowski T et al. Assessment of cancer stem cell marker expression in primary head and neck squamous cell carcinoma shows prognostic value for aldehyde dehydrogenase (ALDH1A1). *Eur J Pharmacol.* 2020 Jan 15;867:172837. IF ; Human . 31811857

[IF=1.56] Wang, Xuming, et al. "Characterization of sphere-forming cells with stem-like properties from the gastric cancer cell lines MKN45 and SGC7901." *Molecular Medicine Reports* 10.6 (2014): 2937-2941. FCM ; ="Human" . 25270642