

Product Datasheet

Anti-CD44 (Indian blood group) [SAIC-01B-4D8] (orb1090001)

Catalog Number	orb1090001
Category	Antibodies
Description	Rabbit monoclonal antibody to CD44 (Indian blood group)
Target	CD44 (Indian blood group)
Clonality	Monoclonal
Species/Host	Rabbit
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Human
Concentration	1 mg/ml
Buffer/Preservatives	PBS with 0.02% Proclin 300.
Purity	Purified
Immunogen	Peptide "TFIPVTSAK" derived from CD44, a hyaluronic acid receptor mediating cell-cell and cell-matrix interactions , conjugated to KLH.
UniProt ID	P16070
Tested applications	ELISA, WB
Specificity	Recognises human CD44 (Indian blood group).

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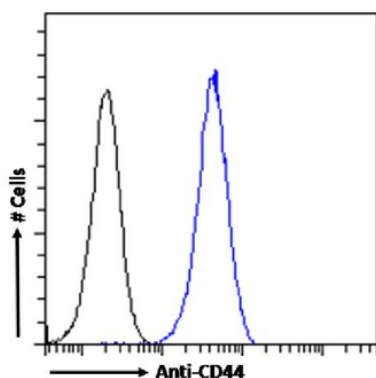
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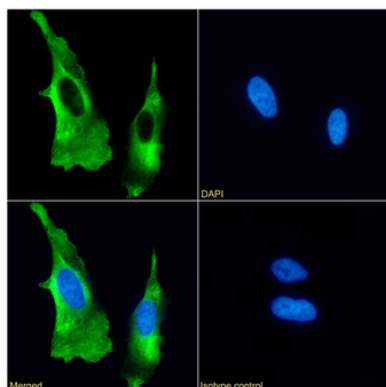
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Clone Number	SAIC-01B-4D8
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Flow cytometry using the Anti-CD44 (Indian blood group) antibody SAIC-01B-4D8. Paraformaldehyde fixed HeLa cells permeabilized with 0.5% Triton were stained with anti-unknown specificity antibody (orb256458; isotype control, black line) or the rabbit IgG version of SAIC-01B-4D8 (orb1090001, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.



Immunofluorescence staining of HeLa cells with anti-CD44 (Indian blood group) SAIC-01B-4D8. Immunofluorescence analysis of paraformaldehyde fixed HeLa cells stained with the chimeric rabbit IgG version of SAIC-01B-4D8 (orb1090001) (1:100 dilution) for 1h followed by Alexa Fluor® 488 secondary antibody (1:1000 dilution), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom orb1090001, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody (orb256458) followed by staining with Alexa Fluor® 488 secondary antibody.

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