

Product Datasheet

RHD Antibody (D7C2) - Chimeric - Azide and BSA Free NBP3-09042-0.2mg

Unit Size: 0.2 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP3-09042-0.2mg

RHD Antibody (D7C2) - Chimeric - Azide and BSA Free

Product Information

Unit Size	0.2 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	D7C2
Preservative	0.02% Proclin 300
Isotype	IgG Lambda
Purity	Protein A purified
Buffer	PBS

Product Description

Description	Novus Biologicals Rabbit RHD Antibody (D7C2) - Chimeric - Azide and BSA Free (NBP3-09042) is a recombinant monoclonal antibody validated for use in Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	6007
Gene Symbol	RHD
Species	Human
Immunogen	A Rh- volunteer blood donor (r/r) was injected with 5ml of Rh+ erythrocytes (R1/r) and the peripheral lymphocytes were isolated and transformed with 1 ml of culture supernatant of the EBV marmoset B96-8 cell line.

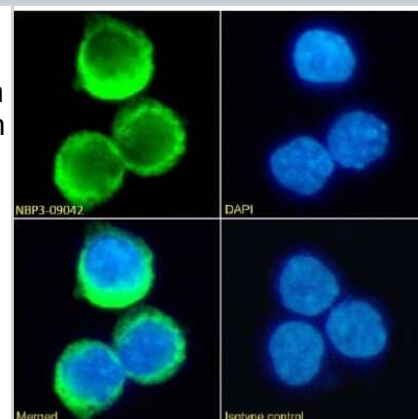
Product Application Details

Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Flow Cytometry, Immunocytochemistry/ Immunofluorescence
Application Notes	This chimeric rabbit antibody was made using the variable domain sequences of the original Human IgM format, for improved compatibility with existing reagents, assays and techniques. FC confirmed the binding of D7C2 to Rh D+ red cells in artificial mixtures (Edelman et al, 1997). The ADCC of D7C2 showed a percentage of 93% lysis (Edelman et al, 1997). D7C2 has been expressed recombinantly using a baculovirus-insect cell expression system (Edelman et al, 1997).

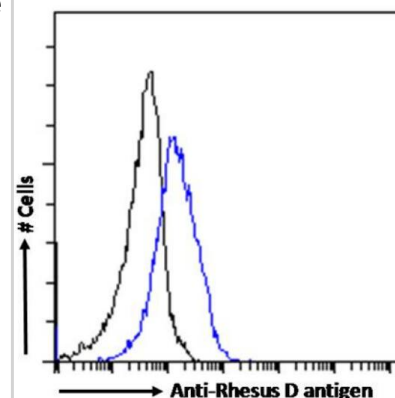


Images

Immunocytochemistry/Immunofluorescence: RHD Antibody (D7C2) - Chimeric [NBP3-09042] - Immunofluorescence analysis of paraformaldehyde fixed K562 cells on Shi-fix(TM) coverslips stained with the chimeric rabbit IgG version of D7C2 (NBP3-09042) at 10 ug/ml for 1h followed by Alexa Fluor(R) 488 secondary antibody (2 ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom NBP3-09042, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor(R) 488 secondary antibody.



Flow Cytometry: RHD Antibody (D7C2) - Chimeric - Azide and BSA Free [NBP3-09042] - Paraformaldehyde fixed K562 cells were stained with anti-unknown specificity antibody (isotype control, black line) or NBP3-09042 (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.





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Products Related to NBP3-09042-0.2mg

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
210-TA-005	TNF-alpha [Unconjugated]
NBP2-07087	RHD Overexpression Lysate

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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