

# Product Datasheet

## TCR alpha/beta Antibody (Desire-1) - Chimeric - Azide and BSA Free NBP3-09021-0.2mg

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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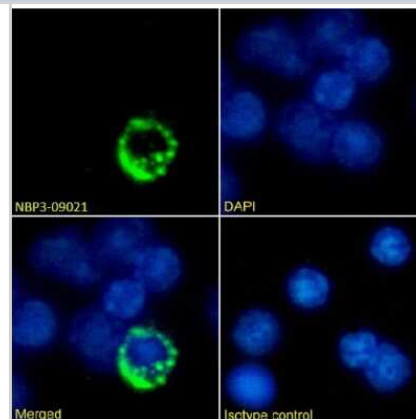
**NBP3-09021-0.2mg**

TCR alpha/beta Antibody (Desire-1) - Chimeric - Azide and BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.2 mg
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	Desire-1
<b>Preservative</b>	0.02% Proclin 300
<b>Isotype</b>	IgG Kappa
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	6955
<b>Gene Symbol</b>	TRA
<b>Species</b>	Mouse
<b>Specificity/Sensitivity</b>	mAb desire-1 recognises an epitope contributed by both the alpha and beta chains of the KB5-C20 TCR.
<b>Immunogen</b>	mAb desire-1 was obtained after fusion of spleen cells from a BALB.K mouse immunised twice with KB5-C20 clone cells in RPMI 1640 medium, with non-Ig-producing myeloma cells X63-Ag8.653. Desire-1 was selected for its capacity to inhibit selectively the H-2Kb-specific cytotoxicity by clone KB5-C20.
<b>Product Application Details</b>	
<b>Applications</b>	Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunoprecipitation
<b>Recommended Dilutions</b>	Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunoprecipitation
<b>Application Notes</b>	<p>This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG format, for improved compatibility with existing reagents, assays and techniques.</p> <p>Desire-1 has been used for the immunoprecipitation of soluble TCR molecules (Gregoire 1991 &amp; Hua 1986). An FITC conjugated desire-1 has been used in flow cytometric analysis as a marker for clonotype expression (Schonrich 1991). Further, a Fab fragment derived from desire-1 has been used in the crystallisation of the T-cell receptor for 3D structure determination (Housset 1997).</p>

## Images

Immunocytochemistry/Immunofluorescence: TCR alpha/beta Antibody (Desire-1) - Chimeric [NBP3-09021] - Immunofluorescence analysis of paraformaldehyde fixed mouse splenocytes immobilized on Shi-fix(TM) cover-slips and stained with the chimeric rabbit IgG version of Desire-1 (NBP3-09021) at 10 ug/ml followed by Alexa Fluor(R) 488 secondary antibody (2 ug/ml), showing membrane staining in a subset of cells. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom NBP3-09021, DAPI, merged channels and an isotype control. The isotype control was stained with anti-Fluorescein antibody followed by Alexa Fluor(R) 488 secondary antibody.





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### **Products Related to NBP3-09021-0.2mg**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP1-19371	CD4 Antibody - BSA Free
AF1759	Oct-3/4 Antibody [Unconjugated]

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### **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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