

# 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.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP3-09021](http://www.novusbio.com/NBP3-09021)

Updated 11/7/2023 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP3-09021](http://www.novusbio.com/reviews/destination/NBP3-09021)



**NBP3-09021-0.2mg**

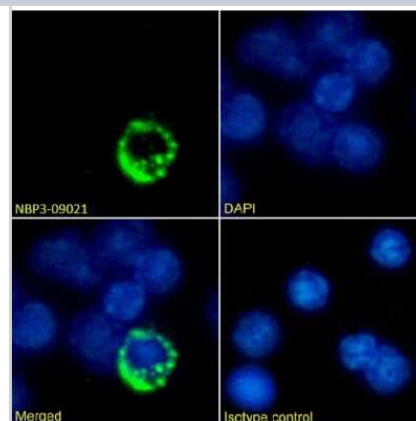
TCR alpha/beta Antibody (Desire-1) - Chimeric - Azide and BSA Free

| 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                       | Desire-1   |
| Preservative                | 0.02% Proclin 300  |
| Isotype                     | IgG Kappa  |
| Purity                      | Protein A purified   |
| Buffer                      | PBS  |
| Product Description         |  |
| Host                        | Rabbit   |
| Gene ID                     | 6955   |
| Gene Symbol                 | TRA  |
| Species                     | Mouse  |
| Specificity/Sensitivity     | mAb desire-1 recognises an epitope contributed by both the alpha and beta chains of the KB5-C20 TCR.   |
| Immunogen                   | 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.  |
| Product Application Details |  |
| Applications                | Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation   |
| Recommended Dilutions       | Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation   |
| Application Notes           | <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.





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

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

---

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

---

### **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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP3-09021](http://www.novusbio.com/reviews/submit/NBP3-09021)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

