

# TCR V beta F1 Monoclonal Antibody (8A3)

Product Details	
Size	200 µg
Species Reactivity	Human
Published Species	Yeast, Non-human primate, Human, Mouse
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	8A3
Conjugate	Unconjugated
Immunogen	Human TCR β chain constant region
Form	Liquid
Concentration	0.15 mg/mL
Purification	Protein G
Storage buffer	PBS with 0.5% BSA
Contains	0.1% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_223502

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	3 Publications
Immunohistochemistry (IHC)	-	37 Publications
Immunohistochemistry (Paraffin) (IHC (P))	Assay-dependent	6 Publications
Immunocytochemistry (ICC/IF)	-	2 Publications
Flow Cytometry (Flow)	2 µg/test	4 Publications
ELISA (ELISA)	-	2 Publications
Immunoprecipitation (IP)	Assay-dependent	2 Publications
ChIP assay (ChIP)	-	1 Publication
Miscellaneous PubMed (Misc)	-	2 Publications

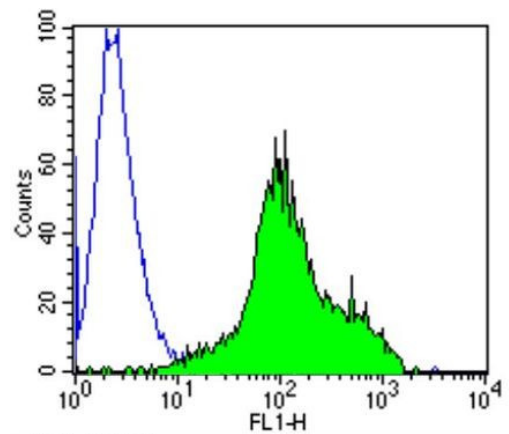
## Product Specific Information

TCR1151 targets TCR Beta F1 in FACS, FISH, IHC, IHC(P), IP, and WB applications and shows reactivity with Human samples.

The TCR1151 immunogen is human TCR β chain constant region.

TCR1151 detects TCR Beta F1 which has a predicted molecular weight of approximately 13 kDa.

Product Images For TCR V beta F1 Monoclonal Antibody (8A3)



**TCR V beta F1 Antibody (TCR1151) in Flow**

Flow cytometry analysis of TCR Beta F1 in Jurkat cells (green) compared to an isotype control (blue). Cells were harvested, adjusted to a concentration of 1-5x10<sup>6</sup> cells/mL, fixed with 2% paraformaldehyde and washed with PBS. Cells were blocked with a 2% solution of BSA-PBS for 30 min at room temperature and incubated with a TCR Beta F1 monoclonal antibody (Product # TCR1151) at a dilution of 2 µg/test for 60 min at room temperature. Cells were then incubated for 40 min at room temperature in the dark using a Dylight 488-conjugated goat anti-mouse IgG (H+L) secondary antibody and re-suspended in PBS for FACS analysis.

Cell: Jurkat  
Concentration: 2µg/test (100µl)  
Theory location: Membrane

[View more figures on thermofisher.com](https://www.thermofisher.com)

Western Blot (3)

<p><b>Molecular cell</b></p> <p><b>Quality control of integral membrane proteins by assembly-dependent membrane integration.</b></p> <p>"Published figure using TCR V beta F1 monoclonal antibody (Product # TCR1151) in Western Blot"</p> <p>Authors: Feige MJ,Hendershot LM</p>	<p><b>Year</b></p> <p>2013</p>
<p><b>PLoS pathogens</b></p> <p><b>A TNF-regulated recombinatorial macrophage immune receptor implicated in granuloma formation in tuberculosis.</b></p> <p>"Published figure using TCR V beta F1 monoclonal antibody (Product # TCR1151) in Western Blot"</p> <p>Authors: Beham AW,Puellmann K,Laird R,Fuchs T,Streich R,Breysach C,Raddatz D,Oniga S,Peccerella T,Findeisen P,Kzhyskowska J,Gratchev A,Schweyer S,Saunders B,Wessels JT,Möbius W,Keane J,Becker H,Ganser A,Neumaier M,Kaminski WE</p>	<p><b>Year</b></p> <p>2011</p>

View more WB references on thermofisher.com

Immunohistochemistry (37)

<p><b>Diagnostic cytopathology</b></p> <p><b>Malignant effusions from extranodal NK/T-cell lymphomas are frequently of anaplastic morphology with azurophilic granules and of T-cell lineage.</b></p> <p>"TCR1151 was used in Immunohistochemistry to reveal that ENKTL in the effusion might be characterized by anaplastic large cell morphology, cytoplasmic azurophilic granules, and a higher proportion of T-cell lineage as compared to de novo tumors arising from the prototypic sites."</p> <p>Authors: Liu CY,Chen BJ,Chuang SS</p>	<p><b>Year</b></p> <p>2020</p> <p><b>Species</b></p> <p>Human</p>
<p><b>Applied immunohistochemistry &amp; molecular morphology : AIMM</b></p> <p><b>Immunohistochemical Detection of / T Lymphocytes in Formalin-fixed Paraffin-embedded Tissues.</b></p> <p>"TCR1151 was used in Immunohistochemistry to show that H-41 to the TCR -chain appears to be a suitable reagent for the replacement of mAb g3.20."</p> <p>Authors: Jungbluth AA,Frosina D,Fayad M,Pulitzer MP,Dogan A,Busam KJ,Imai N,Gnjatic S</p>	<p><b>Year</b></p> <p>2019</p> <p><b>Species</b></p> <p>Human</p>

View more IHC references on thermofisher.com

More applications with references on thermofisher.com

- IHC (P) (6)
- ICC/IF (2)
- Flow (4)
- ELISA (2)
- IP (2)
- ChIP (1)
- Misc (2)

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (i) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (ii) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (iii) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (iv) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.