

# 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	2 Publications
Immunohistochemistry (IHC)	-	33 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

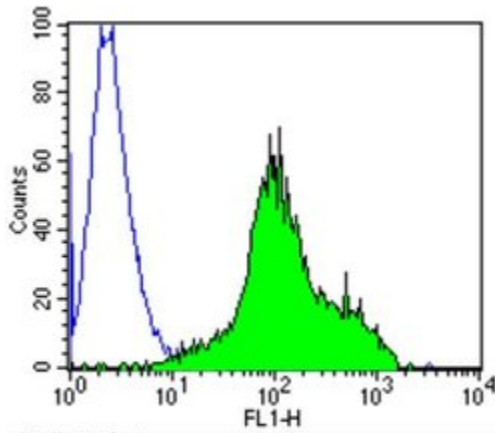
## Product Specific Information

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  $1-5 \times 10^6$  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  $\mu$ g/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: 2  $\mu$ g/test (100  $\mu$ l)  
Theory location: Membrane

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## Western Blot (2)

The Journal of biological chemistry

### Kinetics of T-cell receptor binding by bivalent HLA-DR. Peptide complexes that activate antigen-specific human T-cells.

"TCR1151 was used in western blot to investigate the role of HLA-DR2 for T-cell activation"

Authors: Appel H,Gauthier L,Pyrdol J,Wucherpennig KW

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2000

PLoS pathogens

### A TNF-regulated recombinatorial macrophage immune receptor implicated in granuloma formation in tuberculosis.

"Published figure using TCR V beta F1 monoclonal antibody (Product # TCR1151) in Western Blot"

Authors: Beham AW,Puellmann K,Laird R,Fuchs T,Streich R,Breysach C,Raddatz D,Oniga S,Peccerella T,Findeisen P, Kzhyshkowska J,Gratchev A,Schweyer S,Saunders B,Wessels JT,Möbius W,Keane J,Becker H,Ganser A,Neumaier M, Kaminski WE

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2011

## Immunohistochemistry (33)

Diabetes

### Immunologic activity in the small intestinal mucosa of pediatric patients with type 1 diabetes.

"TCR1151 was used in immunohistochemistry to characterize the immunologic capability in the small intestinal mucosa of type 1 diabetic patients"

Authors: Westerholm-Ormio M,Vaarala O,Pihkala P,Ilonen J,Savilahti E

**Species**  
Human

**Dilution**  
1:40

**Year**  
2003

Leukemia & lymphoma

### Gastrointestinal T cell lymphoma: predominant cytotoxic phenotypes, including alpha/beta, gamma/delta T cell and natural killer cells.

"TCR1151 was used in immunohistochemistry to investigate the cytotoxic phenotypes of gastrointestinal T cell lymphomas"

Authors: Kato A,Ohshima K,Kanda M,Haraoka S,Sugihara M,Suzumiya J,Kawasaki C,Shimazaki K,Ikeda S,Kikuchi M

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2000

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## More applications with references on thermofisher.com

IHC (P) (6)

ICC/IF (2)

Flow (4)

ELISA (2)

IP (2)

ChIP (1)

Misc (2)

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