

Product datasheet for **TA386161**

TCR Rabbit Monoclonal Antibody [Clone ID: H57-597]

Product data:

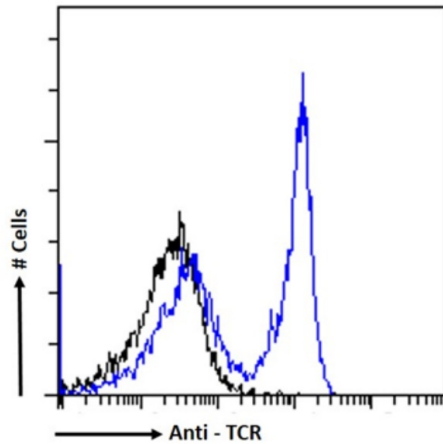
Product Type:	Primary Antibodies
Clone Name:	H57-597
Applications:	FC, IHC, IP
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Monoclonal
Immunogen:	Hamsters were immunised with affinity purified DO-11.10 TCR, and produced detectable anti-TCR antibodies which were judged by the ability of the anti-sera to immunoprecipitate TCR from surface labelled DO-11.10 T cell hybridomas. Hamster 57 was selected for hybridisation, and B cell hybridomas were produced using polyethylene glycol fusion of hamster splenic B cells to the mouse myeloma variant. Selected mAb were screened after subsequent culturing for their ability to immunoprecipitate TCR from detergent lysates of surface-radiolabelled murine T cell hybridomas.
Specificity:	<p>mAb H57-597 reacts with surface receptors on all alpha-beta TCR bearing cells, but does not react with receptors on gamma-delta T cells. H57-597 is directed to an epitope within the FG loop of the C region of TCR beta chain.</p> <p>In an immobilised form, this antibody can directly activate T cells bearing alpha-beta TCR to produce IL-2. H57-597 has also been used to construct a Fab fragment which has been complexed with deglycosylated TCRs for their crystallisation for structure determination (Liu 1996). Flow cytometry is another application of this antibody, where H57-597 has been used to analyse TCR-beta expression in different T cell populations (Tsukumo 2006).</p>
Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
Stability:	3 years from dispatch.
Database Link:	P01852



[View online »](#)

Note: This chimeric rabbit antibody was made using the variable domain sequences of the original Hamster IgG format, for improved compatibility with existing reagents, assays and techniques.

Product images:



Flow cytometry using the Anti-TCR antibody H57-597 (TA386161). Paraformaldehyde fixed mouse splenocytes were stained with anti-unknown specificity antibody ([TA385792]; isotype control, black line) or the rabbit IgG version of H57-597 (TA386161, 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.