

## Product datasheet for **TA386160**

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

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	H57-597
Applications:	FC, IHC, IP
Reactivity:	Mouse
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:	<a href="#">P01852</a>



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