

Hamster monoclonal anti mouse TCR beta chain (Azide-free & Low endotoxin)

ORDERING INFORMATION

Catalog Number:	gAP-0065
Size:	1.00 mg
Storage:	< -20° C
Immunogen:	Purified mouse TCR protein
Ig Type:	Armenian Hamster IgG
Clone	AP-MAB0872
Endotoxin Level	< 0.002EU/μg IgG*
Applications:	FC and Blocking

Description: T cell receptor (TCR) is a heterodimer consisting of an α and a β chain (TCR α/β) or a γ and a δ chain (TCR γ/δ). TCR- β is a member of the immunoglobulin superfamily and a component of the CD3/TCR complex (along with TCR- α). It is expressed on α/β TCR-bearing T cells and thymocytes. The CD3/TCR complex plays a key role in antigen recognition, signal transduction, and T cell activation. The MAB0872 antibody does not cross-react with γ/δ TCR-bearing T cells.

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a Hamster immunized with **Purified mouse TCR protein**).

Formulation: The IgG fraction of **culture supernatant** was purified by Protein A/G affinity chromatography and lyophilized from a 0.2 μ m filtered solution in phosphate-buffered saline (PBS, **Azide Free**).

Reconstitution: Reconstitute the antibody with sterile PBS and the reconstituted antibody can be aliquoted and stored frozen at < -20 for at least for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.** Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C.

***Endotoxin Level:** Extremely low level of LPS (< 0.002EU/μg IgG)

Application(s):

1. FC, IP, and IHC (Frozen)
2. Activating α/β TCR-bearing T cells
3. Depleting CD4+ T cells

* The antibody is produced by in vitro culture and For Research Use Only.