

Anti-TRBC1 (JOVI.1)

Type	Size	Catalog number
Unconjugated	100µg	113301
	500µg	113303
FITC	25 tests	113314
	100 tests	113315
PE	25 tests	113324
	100 tests	113325
APC	25 tests	113344
	100 tests	113345

Antigen:	Anti-TRBC1
Immunogen:	Human HA1.7 TCR beta chain expressed on transgenic mouse cells
Host/Isotype:	Mouse, IgG2a, k
Reactivity:	Human
Purity:	>90% pure tested via polyacrylamide gel electrophoresis (PAGE)
Formulation:	PBS, pH7.2, 0.09%NaN ₃ (unconjugated) PBS, pH7.2, 0.09% NaN ₃ and 0.2% (w/v) BSA (conjugated)
Storage:	Store at 2-8°C and protected from prolonged exposure to light. Do not freeze.
Applications:	Flow Cytometry

Application Information

Each lot of these antibodies has been pre-titrated and tested by flow cytometric analysis of human PBMCs such that 0.5µg (unconjugated, Biotin) or 5µl (conjugated) of these products are sufficient for staining 1 million cells in a 100µl staining volume or 100µl of whole blood. It is recommended to titrate antibody reactivity empirically for optimal performance.

Antigen Information

The clone JOVI.1, a mouse monoclonal antibody specifically binds to an epitope of T lymphocytes expressing T cell receptor beta constant 1 and known as TRBC1. JOVI.1 antibody recognizes T cells expressing TCR-Cβ1 and one of several different TCRβ V regions as well as several Cβ1 TCR expressing cell lines including Jurkat, CH7C17, and HA1.7 cells. TRBC1 is useful in clinical assessment of T-cell clonality and T-cell neoplasms.

References

1. Gil, D, et al. 2002. *Cell*. 109:901-912.
2. San Jose, E, et al.1999. *J. Biol. Chem.* 274:33740-33746.
3. Viney, JL, et al. 1992. *Hybridoma*. 11:701-713.
4. Berg, H, et al. 2020. *J. Int. Clin. Cytometry*. <https://doi.org/10.1002/cyto.b.21881>

Terms and Conditions

This product is for research use only (RUO) and not intended for diagnostic testing.