

Anti-TRBC1 (JOVI-1)

Type	Size	Catalog number
Unconjugated	100µg	113301
	500µg	113303
FITC	25 tests	113314
	100 tests	113315
	200 tests	113316

Antigen:	Anti-TRBC1
Immunogen:	Human HA1.7 TCR beta chain expressed on transgenic mouse cells
Host/Isotype:	Mouse, IgG1, 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.