

Anti-TRBC1 (JOVI.1)**Analyte Specific Reagent (ASR)***

Type	Number of tests	Volume per test (µL)	Total volume (µL)	Catalog number
FITC	50	5	250	4133012
	100	5	500	4133015
APC	50	5	250	4133042
	100	5	500	4133045

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

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>

*Analyte Specific Reagent. The analytical and performance characteristics of this ASR product are not established.