Caprico Biotechnologies

TECHNICAL DATA SHEET

CD11a (TS1/22)

Analyte Specific Reagent (ASR)*

Type	Number of tests	Volume per test (µL)	Total volume (µL)	Catalog number
PE	50	5	250	4072022
	100	5	500	4072025

Antigen: CD11a
Immunogen: Human HLA-DRCTL line cytolytic T-lymphocytes
Host/Isotype: Mouse, IgG1, κ
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 TS1/22 recognizes a 170-180 kDa alpha chain of a type I transmembrane glycoprotein also known as CD11a or LFA-1a. CD11a non-covalently associates with integrin β_2 (CD18) to form LFA-1. CD11a is abundantly expressed on all leukocytes, including B and T lymphocytes, monocytes, macrophages, neutrophils, basophils and eosinophils but is not expressed by the non-hematopoietic tissues and platelets. Up-regulation of CD11a on activated lymphocytes is required to induce the immune response. Absence or reduced CD11a expression on tumor cells helps to escape from regular immune surveillance and may be a reason for *in vivo* tumor generation.

References

1. *Clayberger C et al.,* Lancet, *Sep 5:533-536 (1987).*
2. *Dustin ML et al.,* Nature, *341:619-624 (1989).*
3. *Inghirami G* et al., Blood, *72:1431-1434 (1988).*
4. *Ogawa T* et al., Eu. J. Immunol. *32:2543-2550 (2002).*

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

Caprico Biotechnologies, 400 Pinnacle Way, Suite 430, Norcross, GA 30071
Phone: +1 (678) 691-2143 Technical Support Ext 102, Fax: (678) 691-2223
Email: techsupport@capricobio.com
www.CapricoBio.com