Caprico Biotechnologies

TECHNICAL DATA SHEET

CD45 (2D1)

Analyte Specific Reagent (ASR)*

Type	Number of tests	Volume per test (µL)	Total volume (µL)	Catalog number
FITC	50	5	250	4122012
	100	5	500	4122015

Antigen: CD45
Immunogen: Human PBMC
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, Biotin)
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 2D1, a mouse monoclonal antibody, recognizes a hematopoietic cell surface glycoprotein antigen with a molecular weight of 180-220 kDa known as CD45. It is present on all human leukocytes including lymphocytes, monocytes, granulocytes, eosinophils, and basophils in peripheral blood. CD45 has a role in signal transduction, modifying signals from other surface molecules. 2D1 has been reported to react weakly with mature circulating erythrocytes and platelets. The antibody also recognizes the human leukocyte common antigen found on cells from spleen, lymph nodes, bone marrow cells and granulocytes.

References

1. *Knapp W.W, et al. 1989. Leucocyte typing IV : white cell differentiation antigens. Oxford New York: Oxford University Press; :1-1182.*
2. *Norwitz ER, et al. 1992. Obstet Gynecol. 80:440.*
3. *Salter DM, et al. 1985. J Pathol. 146:345.*
4. *Thomas M. 1989. Annu. Rev. Immunol. 7:339.*
5. *Trowbridge I, et al. 1994. Annu. Rev. Immunol. 12:85.*

*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