Caprico Biotechnologies

TECHNICAL DATA SHEET

CD45 (F10-89-4)

Type	Size	Catalog number
Unconjugated	100µg	101601
	500µg	101603
FITC	25 tests	101614
	100 tests	101615
	200 tests	101616
PE	25 tests	101624
	100 tests	101625
	200 tests	101626
APC	25 tests	101644
	100 tests	101645
	200 tests	101646
PerCP	25 tests	101634
	100 tests	101635
	200 tests	101636
PE-Cyanine5	25 tests	101674
	100 tests	101675
	200 tests	101676
PE-Cyanine7	25 tests	101684
	100 tests	101685
	200 tests	101686
APC-Cyanine7	25 tests	101694
	100 tests	101695
	200 tests	101696
APC-iFluor™ 700	25 tests	1016174
	100 tests	1016175
	200 tests	1016176
PerCP-Cyanine5.5	25 tests	101664
	100 tests	101665
	200 tests	101666
iFluor™ 488	25 tests	1016114
	100 tests	1016115
	200 tests	1016116
iFluor™ 647	25 tests	1016124
	100 tests	1016125
	200 tests	1016126
iFluor™ 700	25 tests	1016194
	100 tests	1016195
	200 tests	1016196
mFluor™ 450	25 tests	1016144
	100 tests	1016145
	200 tests	1016146

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

Feb. 2019

Caprico Biotechnologies

TECHNICAL DATA SHEET

Type	Size	Catalog number
mFluor™ 540	25 tests	1016164
	100 tests	1016165
	200 tests	1016166
Biotin	100µg	101651

Antigen: CD45
Immunogen: Human T lymphocytes
Host/Isotype: Mouse, IgG2a, 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

- iFluor and mFluor are trademarks of AAT Bioquest, Inc.

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 F10-89-4, a mouse monoclonal antibody, recognizes a hematopoietic cell surface antigen known as CD45 which 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. The CD45 antibody has been reported to react weakly with mature circulating erythrocytes and platelets. The antibody recognizes the human leukocyte common antigen which is found on cells from spleen, lymph nodes, 83% bone marrow cells, and granulocytes. The antigen recognized by F10-89-4 is a glycoprotein with a molecular weight of 190 kDa to 215 kDa.

References

1. Dalchau R, et al. 1980. Eur J Immunol. 10:737.
2. Norwitz ER, et al. 1992. Obstet Gynecol. 80:440.
3. Salter DM, et al. 1985. J Pathol. 146:345.

Terms and Conditions

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

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

Feb. 2019