

## CD45 (F10-89-4)

### Analyte Specific Reagent (ASR)\*

Type	Number of tests	Volume per test (μL)	Total volume (μL)	Catalog number
APC	50	5	250	4016042
	100	5	500	4016045
APC-Cyanine7	50	5	250	4016092
	100	5	500	4016095
APC-iFluor™700	50	5	250	4016172
	100	5	500	4016175
iFluor™700	50	5	250	4016192
	100	5	500	4016195
PE-Cyanine7	50	5	250	4016082
	100	5	500	4016085
PE-Cyanine5	50	5	250	4016072
	100	5	500	4016075
PerCP	50	5	250	4016032
	100	5	500	4016035
PerCP-Cyanine5.5	50	5	250	4016062
	100	5	500	4016065

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**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<sub>3</sub> and 0.2% (w/v) BSA  
**Storage:** Store at 2-8°C and protected from prolonged exposure to light. **Do not freeze.**  
**Applications:** Flow Cytometry.

### 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.

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