

**CD45 (2D1)**

Type	Size	Catalog number
Unconjugated	100µg	112201
	500µg	112203
FITC	25 tests	112214
	100 tests	112215
	200 tests	112216
PE	25 tests	112224
	100 tests	112225
	200 tests	112226
APC	25 tests	112244
	100 tests	112245
	200 tests	112246
PerCP	25 tests	112234
	100 tests	112235
	200 tests	112236
PE-Cyanine5	25 tests	112274
	100 tests	112275
	200 tests	112276
PE-Cyanine7	25 tests	112284
	100 tests	112285
	200 tests	101686
APC-Cyanine7	25 tests	112294
	100 tests	112295
	200 tests	112296
APC-iFluor™ 700	25 tests	1122174
	100 tests	1122175
	200 tests	1122176
PerCP-Cyanine5.5	25 tests	112264
	100 tests	112265
	200 tests	112266
iFluor™ 488	25 tests	1122114
	100 tests	1122115
	200 tests	1122116
iFluor™ 647	25 tests	1122124
	100 tests	1122125
	200 tests	1122126
iFluor™ 700	25 tests	1122194
	100 tests	1122195
	200 tests	1122196
iFluor™ 594	25 tests	1122134
	100 tests	1122135
	200 tests	1122136

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Type	Size	Catalog number
mFluor™ 540	25 tests	1122164
	100 tests	1122165
	200 tests	1122166
Biotin	100µg	112251

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**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<sub>3</sub> (unconjugated, Biotin)  
 PBS, pH7.2, 0.09% NaN<sub>3</sub> 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

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## 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 whole blood. It is recommended to titrate antibody reactivity empirically for optimal performance.

## 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. 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.

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