

Store at -20C
#4744

CD15/SSEA1 (MC480) Mouse mAb



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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
IHC-P, IF-IC, FC-FP, FC-L	H M	Endogenous	N/A	Mouse IgM	#P22083	2526

Product Usage Information	Application	Dilution
	Immunohistochemistry (Paraffin)	1:100
	Immunofluorescence (Immunocytochemistry)	1:1000
	Flow Cytometry (Fixed/Permeabilized)	1:1600
	Flow Cytometry (Live)	1:1600
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.	
	For a carrier free (BSA and azide free) version of this product see product #74180.	
Specificity / Sensitivity	SSEA1 Antibody detects endogenous levels of SSEA1 antigen.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with F9 teratoma cells (X-irradiated).	
Background	SSEA1 antibody detects a lactoseries oligosaccharide antigen that is expressed on the surface of mouse embryonal carcinoma and embryonic stem cells (1). This antigen is also found on early mouse embryos and both mouse and human germ cells, but is absent on human embryonic stem and carcinoma cells. Expression of SSEA1 in these human cell types increases upon differentiation, while on the mouse cell types differentiation leads to decreased expression (2).	
Background References	1. Solter, D. and Knowles, B.B. (1978) <i>Proc Natl Acad Sci USA</i> 75, 5565-9. 2. Fenderson, B.A. et al. (1987) <i>Dev Biol</i> 122, 21-34.	

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Applications Key	IHC-P: Immunohistochemistry (Paraffin) IF-IC: Immunofluorescence (Immunocytochemistry) FC-FP: Flow Cytometry (Fixed/Permeabilized) FC-L: Flow Cytometry (Live)
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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