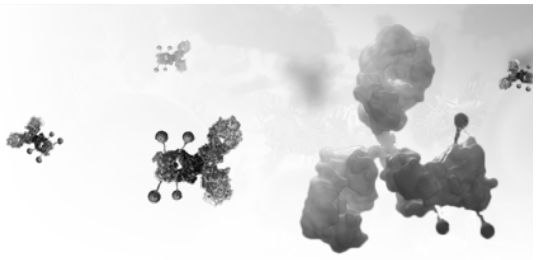

Mouse anti-Human SSEA-5 monoclonal antibody, clone 9f22 [Alexa Fluor® 647] (CABT-B9323)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Human Undifferentiated Embryonic Stem Cells
Isotype	IgG1, κ
Source/Host	Mouse
Species Reactivity	Human
Clone	9f22
Purification	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Conjugate	Alexa Fluor 647
Applications	FC; IF; Bioimaging
Format	Liquid
Size	50 tests
Buffer	Aqueous buffered solution containing BSA, protein stabilizer, and ≤0.09% sodium azide.
Storage	Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

BACKGROUND

Introduction	Stage-specific embryonic antigen (SSEA)-5 is a pluripotency surface marker expressed in the

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

	blastocyst inner cell mass and on human pluripotent stem cells, including both human embryonic stem cells (hESCs) and human induced pluripotent stem cells (hiPSCs). Because SSEA-5 expression rapidly decreases upon differentiation, it can be used to identify undifferentiated pluripotent stem cells. SSEA-5 can be combined with other pluripotency surface markers (e.g. CD9/CD90 or CD50/CD200) to immunodeplete remaining pluripotent stem cells from incompletely differentiated cultures.
Keywords	Stage-Specific Embryonic Antigen-5; SSEA-5; SSEA5; Stage-Specific Embryonic Antigen

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221