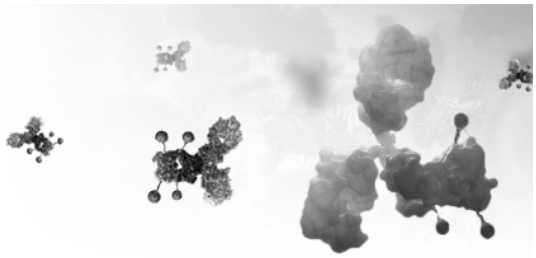

Mouse anti-Human TRA-1-81 monoclonal antibody, clone USB-2-92 [Alexa Fluor® 647] (CABT-B9352)

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

PRODUCT INFORMATION

Immunogen	Human Embryonal Carcinoma Cell Line
Isotype	IgM, κ
Source/Host	Mouse
Species Reactivity	Human
Clone	USB-2-92
Purification	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Conjugate	Alexa Fluor 647
Applications	FC
Format	Liquid
Concentration	Lot specific
Size	100 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

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

Introduction	The TRA-1-81 monoclonal antibody reacts with a pluripotent-stem-cell-specific epitope on a high-molecular-weight transmembrane glycoprotein. The TRA-1-81 antigen is an epitope on the same keratan sulfate core molecule, podocalyxin, as 4 other distinct antigens on tumor-derived cell lines, TRA-1-60, GCTM2, K4, and K21. The expression of TRA-1-81 antigen is stage-specific and can be used to characterize embryonic cells and monitor their differentiation. The antigen is found on teratocarcinoma (embryonal carcinoma or EC), embryonic inner cell mass (but not morula or trophoblast), and embryonic stem (ES) cells. As human EC and ES cells undergo differentiation, expression of TRA-1-81 antigen is lost.
Keywords	PODXL; podocalyxin-like; PC; PCLP; Gp200; PCLP-1; podocalyxin; GCTM-2 antigen; podocalyxin-like protein 1;

GENE INFORMATION

Entrez Gene ID	5420
UniProt ID	O00592

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