



Mouse anti-Human TRA-1-81 Antigen monoclonal antibody, clone USB-2-92 [PE/Cy5.5®] (CABT-B9347)

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	PE/Cy5.5
Applications	FC
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	The TRA-1-81 monoclonal antibody reacts with a pluripotent stem cell-specific epitope on a
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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;
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GENE INFORMATION

Entrez Gene ID [5420](#)

UniProt ID [Q00592](#)