



# Mouse anti-Human TRA-1-81 Antigen monoclonal antibody, clone USB-2-92 [Alexa Fluor® 555] (CABT-B9346)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	Human Embryonal Carcinoma Cell Line
<b>Isotype</b>	IgM, κ
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human, Rhesus
<b>Clone</b>	USB-2-92
<b>Purification</b>	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
<b>Conjugate</b>	Alexa Fluor 555
<b>Applications</b>	Bioimaging
<b>Format</b>	Liquid
<b>Size</b>	100 tests
<b>Buffer</b>	Aqueous buffered solution containing BSA, protein stabilizer, and ≤0.09% sodium azide.
<b>Storage</b>	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

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.

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<b>Keywords</b>	PODXL; podocalyxin-like; PC; PCLP; Gp200; PCLP-1; podocalyxin; GCTM-2 antigen; podocalyxin-like protein 1;
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## GENE INFORMATION

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<b>Entrez Gene ID</b>	<a href="#">5420</a>
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<b>UniProt ID</b>	<a href="#">O00592</a>
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