

## Anti-h CD253 14401 SPTN-5

### Product overview

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<b>Catalog number</b>	101023
<b>Specificity</b>	Antibody recognizes the TRAIL, APO2L antigen, a 32 kDa protein
<b>Description</b>	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components.
<b>Product buffer solution</b>	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN <sub>3</sub> as a preservative
<b>Shelf life and storage</b>	Unspecified, storage at 2–8 °C
<b>Subclass</b>	IgG <sub>1</sub>
<b>Analyte description</b>	CD253, also known as TRAIL (TNF-related apoptosis-inducing ligand or TNFSF10), is a type II transmembrane cytokine belonging to the tumor necrosis factor (TNF) ligand family. TRAIL is best known for its ability to selectively induce apoptosis in tumor or transformed cells while generally sparing normal cells. TRAIL is expressed on various immune cells, including NK cells, cytotoxic T cells, monocytes, and neutrophils.

### Parameters tested on each lot

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<b>Product appearance</b>	Liquid, may turn slightly opaque during storage
<b>Product concentration</b>	5.0 mg/ml (+/-10 %)
<b>Immunoreactivity</b>	80–120 % compared to the reference sample in an FIA test
<b>IEF Profile</b>	6.0–6.9
<b>Purity</b>	≥ 95 %

### Kinetic parameters

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<b>Association rate constant</b>	3.2 x 10 <sup>5</sup> 1/Ms
<b>Dissociation rate constant</b>	Does not dissociate under conditions used.
<b>Affinity constant</b>	Not applicable (N/A)
<b>Determination method</b>	BLI (Octet RED96e)
<b>Determination antigen</b>	Recombinant Human sTRAIL/Apo2L, PeproTech (Cat 310-04)



#### Legal disclaimer

**Cross-reactivities** N/D

**Epitope** N/D

**Pair recommendations**

		DETECTION	
		14401	14402
CAPTURE	14401	+	+
	14402	+	+

Following pairs are especially recommended for the below mentioned assays:

ELISA: 14402 (capture) – 14401 (detection)

LF: 14401 (membrane) – 14402 (particles)

Please note that pair recommendations are based on results obtained by our laboratory. Equally good results may be obtained using other pairs and therefore these recommendations are only indicative.

**Platforms tested** ELISA, LF

**Antigens tested** N/D

TEMPERATURE, TIME	RESULT
-70 °C, 21 days	OK
-20 °C, 21 days	OK
+4 °C, 21 days	OK
+35 °C, 21 days	OK, charge alteration
+45 °C, 7 days	OK, charge alteration

Stability testing is performed in the product buffer to see whether different temperatures affect the antigen binding, charge or composition of the antibody. Please note that the shelf life given on the first page is based on real time stability testing at 2–8 °C in the product buffer.

**Miscellaneous** This product was previously available with Clone code B-T24. It has been produced using the same original mouse monoclonal hybridoma cell line.

**References** Vermot-Desroches C. et al., Cell Immunol., 2005;236(1-2):86-91  
 Sabour Alaoui, S. et al., PLoS One, 2012; 7(3): e33609  
 Ryu, S. et al., BMC Cancer, 2018 Apr 16;18(1):432



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