

Anti-h CD253 14402 SPTN-5

Product overview

Catalog number	101024
Specificity	Antibody recognizes the TRAIL, APO2L antigen, a 32 kDa protein
Description	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components.
Product buffer solution	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN ₃ as a preservative
Shelf life and storage	Unspecified, storage at 2–8 °C
Subclass	IgG ₁
Analyte description	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

Product appearance	Liquid, may turn slightly opaque during storage
Product concentration	5.0 mg/ml (+/-10 %)
Immunoreactivity	80–120 % compared to the reference sample in an FIA test
IEF Profile	5.8–6.6
Purity	≥ 95 %

Kinetic parameters

Association rate constant	4.7 x 10 ⁵ 1/Ms
Dissociation rate constant	Does not dissociate under conditions used.
Affinity constant	Not applicable (N/A)
Determination method	BLI (Octet RED96e)
Determination antigen	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-S23. 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
de Bruyn, M. et al., Front Oncol.,2015; 5: 35



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