

## Anti-h IFN-g 13702 SPTN-5

### Product overview

Catalog number	101009
Specificity	Antibody recognizes human interferon gamma (IFN-g)
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 <sub>3</sub> as a preservative
Shelf life and storage	Unspecified, storage at 2–8 °C
Subclass	IgG <sub>1</sub>
Analyte description	Interferon gamma (IFN-g or IFN- $\gamma$ ) is a soluble cytokine of type II interferons. IFN-g participates in regulating the immune and inflammatory response of its target cells, and it has a critical role in e.g. cancer immunosurveillance.

### 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	6.1–7.2
Purity	≥ 95 %

### Kinetic parameters

Association rate constant	$8.3 \times 10^5$ 1/Ms
Dissociation rate constant	$4.0 \times 10^{-5}$ 1/s
Affinity constant	$K_A = 2.1 \times 10^{10}$ 1/M; $K_D = 4.5 \times 10^{-11}$ M (= 0,05 nM)
Determination method	BLI (Octet RED96e)
Determination antigen	Recombinant Human IFN-gamma, PeproTech (Cat 300-02)



#### Legal disclaimer

**Cross-reactivities** N/D

**Epitope** N/D

**Pair recommendations**

		DETECTION	
		13701	13702
CAPTURE	13701	-	+
	13702	+	-

Following pairs are especially recommended for the below mentioned assays:

FIA: 13701 (capture) – 13702 (detection), and 13702 – 13701

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** FIA

**Antigens tested** N/D

Product stability	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.

**Miscellaneous** This product was previously available with Clone code B-G1. It has been produced using the same original mouse monoclonal hybridoma cell line.

**References** -

