Medix Biochemica

Product specification
ANTIBODY
2025-12-01

Anti-h IFN-g 13701 SPTN-5

Product overview

Catalog number	101008
Specificity	Antibody recognizes human interferon gamma (IFN-g)
Description	Monoclonal mouse antibody, cultured *in vitro* 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	Interferon gamma (IFN-g or IFN-ɣ) 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	6.2–7.4
Purity	≥ 95 %

Kinetic parameters

Association rate constant	7.7×10^5 1/Ms
Dissociation rate constant	5.8×10^{-5} 1/s
Affinity constant	$K_A = 1.3 \times 10^{10}$ 1/M; $K_D = 9.0 \times 10^{-11}$ M (= 0,09 nM)
Determination method	BLI (Octet RED96e)
Determination antigen	Recombinant Human IFN-gamma, PeproTech (Cat 300-02)

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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
LF: 13701 (membrane) – 13702 (particles), 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, FC, LF

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-B1. It has been produced using the same original mouse monoclonal hybridoma cell line.

References -

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