Medix Biochemica

Product specification
ANTIBODY
2025-12-16

Anti-h IP-10 14302 SPTN-5

Product overview

Catalog number	101019
Specificity	Antibody recognizes recognises both natural and recombinant IP-10
Description	Monoclonal 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_{2a}
Analyte description	IP-10 (also called CXCL10) is a chemokine, a signaling protein that attracts immune cells to sites of inflammation or infection. It is produced by various cells (like monocytes, endothelial cells, and fibroblasts) in response to interferon-gamma (IFN-γ). Its main role is to act as a chemoattractant for T cells, NK cells, and other immune cells, and it is important in immune response, inflammation, and some diseases (autoimmune disorders, infections, cancer).

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	6.1–7.0
Purity	≥ 95 %

Kinetic parameters

Association rate constant	6.6×10^5 1/Ms
Dissociation rate constant	4.3×10^{-5} 1/s
Affinity constant	$K_A = 1.5 \times 10^{10}$ 1/M; $K_D = 6.6 \times 10^{-11}$ M (= 0.066 nM)
Determination method	BLI (Octet RED96e)
Determination antigen	Recombinant Human IP-10 (CXCL10), PeproTech (Cat 300-12)

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Cross-reactivities N/D

Epitope N/D

Pair recommendations

		DETECTION	
		14301	14302
CAPTURE	14301	-	+
	14302	+	-

Following pairs are especially recommended for the below mentioned assays:

FIA: 14301 (capture) – 14302 (detection), 14302 – 14301
LF: 14301 (membrane) – 14302 (particles), 14302 – 14301

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, 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, 7 days	OK
+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-C55. It has been produced using the same original mouse monoclonal hybridoma cell line.

References

van Hooij, A. et al., Sci Rep. 2018 Dec 18;8(1):17920

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