Medix Biochemica

Product specification
ANTIBODY
2026-11-03

Anti-h IL-10 14601 SPTN-5

Product overview

Catalog number	101021
Specificity	Antibody recognizes human interleukin 10 (IL-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	Mouse IgG_1
Analyte description	Interleukin 10 (IL-10) is an anti-inflammatory cytokine that regulates immune responses by suppressing the production of pro-inflammatory mediators and limiting activation of immune effector cells. IL-10 plays a key role in maintaining immune homeostasis and preventing excessive inflammation. Increased IL-10 levels have been associated with sepsis, infections, autoimmune diseases and cancer, making it a potentially useful marker for disease severity and prognosis. As IL-10 reflects a compensatory anti-inflammatory response, its clinical interpretation should be made in the context of other inflammatory biomarkers.
Product appearance	Liquid
Product concentration	5.0 mg/ml (+/-10 %)
Immunoreactivity	80–120 % compared to the reference sample in an FIA test
IEF Profile	6.8–7.5
Purity	≥ 95 %

Kinetic parameters

Association rate constant	1.7 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 IL-10, PeproTech (Cat 200-10)

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Cross-reactivities N/D

Epitope N/D

Pair recommendations N/D

Platforms tested N/D

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
+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-S10. It has been produced using the same original mouse monoclonal hybridoma cell line.

Antibodies may show precipitation after prolonged storage or repeated vial opening. Any resulting precipitation can be removed by filtration through a 0.2 µm filter without affecting antibody activity.

Store antibodies at the temperature specified for the product. Antibodies are stable until the expiry date when stored unopened at the specified temperature. Repeated opening of the vial should be avoided. If the specified storage temperature is frozen (e.g. –20 °C), repeated freeze–thaw cycles should be avoided.

References -

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