Medix Biochemica

Product specification
ANTIBODY
2026-11-03

Anti-h IL-8 R1503 SPTN-5

Product overview

Catalog number	140100
Specificity	Antibody recognizes human interleukin 8 (IL-8)
Description	Recombinant 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	Mouse IgG_1
Analyte description	Interleukin 8 (IL-8) is a chemokine produced by macrophages and other cell types such as epithelial cells. Primary function of IL-8 is the induction of chemotaxis in its target cells (e.g. neutrophil granulocytes). It serves as a chemical signal that attracts neutrophils at the site of inflammation. IL-8 is a promising marker for many clinical conditions and currently being applied by various subspecialties of medicine either for the purpose of rapid diagnosis or as a predictor of prognosis. IL-8 level increases as a result of many inflammatory conditions, so careful interpretation of IL-8 level is required to make correlation with desired clinical condition's diagnosis or prognosis.
Product appearance	Liquid
Product concentration	5.0 mg/ml (+/-10 %) (A280 nm, 1 mg/ml, 1 cm = 1.7)
Immunoreactivity	80–120 % compared to the reference sample in an FIA test
IEF Profile	5.7–6.4
Purity	≥ 95 %

Kinetic parameters

Association rate constant	2.1×10^5 1/Ms
Dissociation rate constant	1.1×10^{-4} 1/s
Affinity constant	$K_A = 1.9 \times 10^9$ 1/M; $K_D = 5.2 \times 10^{-10}$ M (= 0.52 nM)
Determination method	BLI (Octet R8e)
Determination antigen	Recombinant Human IL-8 (CXCL8), PeproTech (Cat 200-08)

Oy Medix Biochemica Ab
Klovinpellontie 3,
FI-02180 Espoo, Finland

medix@medixbiochemica.com
www.medixbiochemica.com
VAT reg. no. FI14631532

Legal disclaimer
Medix Biochemica products meet their specifications if transported, stored, and used according to the instructions. Medix Biochemica's products may not be used or reproduced without Medix Biochemica's written permission.

Cross-reactivities N/D

Epitope N/D

Pair recommendations

		DETECTION		
		1501	R1502	R1503
CAPTURE	1501	-	-	+
	R1502	-	-	+
	R1503	+	+	-

Following pairs are especially recommended for the below mentioned assays:
FIA: R1502 (capture) – R1503 (detection), and R1503 – R1502
CLIA: R1503 (magnetic particles) – R1502 (detection), and R1502 – R1503

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, CLIA

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. 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-K8. 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 -

Oy Medix Biochemica Ab
Klovinpellontie 3,
FI-02180 Espoo, Finland

medix@medixbiochemica.com
www.medixbiochemica.com
VAT reg. no. FI14631532

Legal disclaimer
Medix Biochemica products meet their specifications if transported, stored, and used according to the instructions. Medix Biochemica's products may not be used or reproduced without Medix Biochemica's written permission.