

PRODUCT SPECIFICATIONS

2015-09-16

PRODUCT NAME	: Anti-h CRP 6404 Fab
PRODUCT SPECIFICITY	: Antibody recognizes human C-Reactive Protein
PRODUCT CODE	: 600024
ANALYTE DESCRIPTION	: CRP is a member of the class of acute-phase reactants, as its levels rise dramatically during inflammatory processes occurring in the body. CRP rises up to 50,000-fold in acute inflammation, such as infection. It rises above normal limits within 6 hours, and peaks at 48 hours. Its half-life is constant, and therefore its level is mainly determined by the rate of production (and hence the severity of the precipitating cause). CRP is used mainly as a marker of inflammation. Measuring and charting CRP values can prove useful in determining disease progress or the effectiveness of treatments.
PRODUCT DESCRIPTION	: Recombinant Fab fragment antibody based on the MedixMAB Anti-h CRP clone 6404. Produced in <i>E. coli</i> and purified chromatographically.
PRODUCT BUFFER	: 50 mM Na-citrate, pH 6.0; 0.9 % NaCl; 0.095 % NaN ₃ as preservative
STORAGE	: Store at 2-8 °C

PARAMETERS TESTED FROM EACH LOT

APPEARANCE	: Clear liquid, may precipitate during storage which does not alter the product specifications. Precipitate can be removed by centrifugation or filtering.
CONCENTRATION	: 1 mg/ml (+/- 10 %)
ACTIVITY	: 80-120 % compared to reference in an IFMA test
PURITY	: ≥ 95 %

PROPERTIES OF THE PROGENITOR MedixMAB MONOCLONAL ANTIBODY

ASSOCIATION CONSTANT	: 7.7×10^6 1/Ms
DISSOCIATION CONSTANT	: 4.1×10^{-4} 1/s
AFFINITY CONSTANT	: $K_A = 1.4 \times 10^{10}$ 1/M; $K_D = 5.3 \times 10^{-11}$ M (0.05 nM)
CROSS-REACTIVITIES	: Serum amyloid P component (SAP): No cross-reactivity No other cross-reactivities tested

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HEADQUARTERS
Klovinpellontie 3
FI-02180 Espoo, Finland

MANUFACTURING SITE
Noljakantie 13
FI-80130 Joensuu, Finland

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

EPITOPE

: Note that CRP is a pentameric protein so same antibody can be used as solid phase as well as a labeled antibody.

**PAIR
RECOMMENDATIONS**

SOLID	LABEL
6404	6405
6404	6404

Please note that pair recommendations are based on results obtained in our laboratory. Equally good results may be obtained using other pairs and therefore these recommendations should be taken only as a directive.

Legal disclaimer

MedixMAB monoclonal antibodies, MedixMAB Fab fragments and MedixAntigens meet their specifications if transported, stored and used according to the instructions for use. If not otherwise agreed in writing all products are sold under *General Delivery Terms*. Further information on products is available on the internet.

MedixMAB is a registered trademark of Medix Biochemica.

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