

Product Information

Anti-Neutrophil Azurocidin

Antibody produced in rabbit
IgG fraction of antiserum

Product Number **N 5662**

Product Description

Anti-Neutrophil Azurocidin is produced in rabbit using human neutrophil azurocidin protein as immunogen. The antiserum was obtained by ammonium sulfate precipitation and ion exchange chromatography.

Anti-Neutrophil Azurocidin reacts with human neutrophil azurocidin. The antibody may be used in immunoblotting and indirect ELISA.

The gene for azurocidin is located on the short arm of chromosome 19 and is in a cluster with the genes for proteinase 3 and elastase. All three proteins are serine protease homologues; azurocidin, however, lacks enzymatic activity. The importance of azurocidin is its role as a multifunctional inflammatory mediator. It has antimicrobial activity, binds endotoxin, and is chemotactic for monocytes.

Reagent

The antibody is supplied as a solution of ~1 mg/mL in phosphate buffered saline containing 0.1% sodium azide as a preservative.

Precautions and Disclaimer

Due to the sodium azide content a material safety sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Consult the MSDS for information regarding hazardous and safe handling practices.

Storage/Stability

Store at -20 °C. The product may be stored at 2-8 °C for up to one month. For prolonged storage, freeze in working aliquots at -20 °C. Avoid repeated freezing and thawing. Do not store in a "frost-free" freezer.

Product Profile

For immunoblotting, a minimum working antibody dilution of 1:2,000 is recommended.

For indirect ELISA, a minimum working antibody dilution of 1:4,000 is recommended.

Note: In order to obtain the best results in various techniques and preparations, we recommend determining optimal working dilutions by titration.

Purity: Single arc by immunoelectrophoresis (IEP) versus human neutrophil granule extract

KAA 11/05