

P90041Ra01
Neutrophil Activating Protein 3 (NAP3)
Organism: Rattus norvegicus (Rat)
Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES

1th Edition (Revised in February, 2012)

[DESCRIPTION]

Protein Names: Neutrophil Activating Protein 3; C-X-C motif chemokine 1;
Growth-regulated alpha protein

Gene Names: Cxcl1, Cinc1, Gro, Scyb1

Size: 100µg

Source: Recombinant

Expression Host: *E.coli*

Function: Has chemotactic activity for neutrophils. Contributes to neutrophil activation during inflammation.

Subcellular Location: Secreted

Tissue Specificity: At least expressed in the lung and trachea.

[PROPERTIES]

Residues: Ala25~Lys96 (Accession # P14095), with a N-terminal His-tag.

Grade & Purity: >97%, 11.67 kDa as determined by SDS-PAGE reducing conditions.

Form & Buffer: Supplied as lyophilized form in PBS, pH 7.4.

Endotoxin Level: <1.0 EU per 1µg(determined by the LAL method).

Applications: SDS-PAGE; WB; ELISA;IP.

(May be suitable for use in other assays to be determined by the end user.)

Predicted Molecular Mass: 11.67 kDa



[PREPARATION]

Reconstitute in PBS.

[STORAGE AND STABILITY]

Storage: Store at 4°C for short term storage (1-2 weeks). Aliquot and store at -20°C or -80°C for long term storage. Avoid repeated freeze/thaw cycles.

Valid period: 12 months stored at -80°C.

[BACKGROUND]

The target protein is fused with a His-tag and its sequence is listed below.

MGSSHHHHHHSSGLVPRGSHMASMTGGQQMGRGSEF-APVANE LRCQCLQTVAGIHFKNIQSL
KVMPPGPHCTQTEVIATLKN GREACLDPEAPMVQKIVQKMLKGVPK

[REFERENCES]

1. Huang S., et.al. (1992) *Biochem. Biophys. Res. Commun.* 184:922-929.
2. Huang S., et.al. (1992) *Am. J. Pathol.* 141:981-988.
3. Hanzawa H., et.al. (1994) *FEBS Lett.* 354:207-212.
4. Hanzawa H., et.al. (1997) *J. Biochem.* 121:835-841.
5. Hanzawa H., et.al. (1998) *J. Biochem.* 123:62-70.

