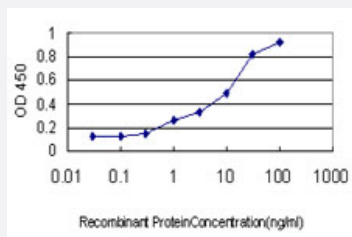


NCF4 monoclonal antibody (M01), clone 3C10

Catalog # H00004689-M01

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NCF4 is approximately 0.3ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant NCF4.
Immunogen	NCF4 (AAH02798, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAVAQQLRAESDFEQLPDDVAISANIADIEEKRGFTSHFVFVIEVKTKGGSKYLIYRRYRQFHALQS KLEERFGPDSKSSALACTLPTLPKVYVGKQE
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NCF4 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — NCF4

Entrez GeneID [4689](#)

GeneBank Accession# [BC002798](#)

Protein Accession# [AAH02798](#)

Gene Name NCF4

Gene Alias MGC3810, NCF, P40PHOX, SH3PXD4

Gene Description neutrophil cytosolic factor 4, 40kDa

Omim ID [601488](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene is a cytosolic regulatory component of the superoxide-producing phagocyte NADPH-oxidase, a multicomponent enzyme system important for host defense. This protein is preferentially expressed in cells of myeloid lineage. It interacts primarily with neutrophil cytosolic factor 2 (NCF2/p67-phox) to form a complex with neutrophil cytosolic factor 1 (NCF1/p47-phox), which further interacts with the small G protein RAC1 and translocates to the membrane upon cell stimulation. This complex then activates flavocytochrome b, the membrane-integrated catalytic core of the enzyme system. The PX domain of this protein can bind phospholipid products of the PI(3) kinase, which suggests its role in PI(3) kinase-mediated signaling events. The phosphorylation of this protein was found to negatively regulate the enzyme activity. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq]

Other Designations

OTTHUMP00000028736|OTTHUMP00000043756|neutrophil NADPH oxidase factor 4|neutrophil cytosol factor 4|neutrophil cytosolic factor 4

Pathway

- [Leukocyte transendothelial migration](#)

Disease

- [Asthma](#)
- [Birth Weight](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Colitis](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [HIV Infections](#)
- [Ileal Diseases](#)
- [Leukemia](#)
- [Lung Diseases](#)
- [Lymphoma](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
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- [Occupational Diseases](#)
- [Pneumonia](#)
- [Sarcoidosis](#)

- [Tuberculosis](#)