بسم الله الرحمن الرحيم

شبكة المعلومـــــات الجامعية

التوثيق الالكتروني والميكروفيلم

شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

﴿ قـــســـم ﴾

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأفلام قد اعدت دون آية تغيرات

يجب أن

تحفظ هذه الأفلام بعيداً عن الغبار

في درجة حرارة من 15 – 20 مئوية ورطوبة نسبية من 20-40 %

To be kept away from dust in dry cool place of
15 – 25c and relative humidity 20-40 %

بعض الوثائق الأصلية تالفة

بالرسالة صفحات

لم ترد بالأصـــل

"Studies on Tumor Necrosis Factor in Murine Schistosomiasis *mansoni*"

A Thesis Submitted

By

GEHAN LABIB HAFEZ ABU EL-ENEIN
B. Sc., M. Sc.
Laboratory of Parasitology,
Department of Immunology
and Evaluation of Therapy
Theodor Bilharz Research Institute

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Zoology Department,
Faculty of Science,
Cairo University

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Supervisors

Prof. Dr. Suher Kamal Zada
Professor of Immunology,
Zoology Department,
Faculty of Science,
Cairo University

Prof. Dr. Mohamed Ali Saber
Professor of Biochemistry,
Biochemistry Department,
Theodor Bilharz Research
Institute

Prof. Dr. Azza El-Bassiouny Ibrahim El-Bassiouny
Professor of Clinical, Chemical Pathology and Immunology,
Immunology and Evaluation of Therapy Department
Theodor Bilharz Research Institute

Dr. Ragia Ali Charmy
Assistant Professor of Immunology,
Zoology Department
Faculty of Science,
Cairo University

APPROVAL SHEET

Title of the Ph.D. Thesis:

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Name of Candidate:

Gehan Labib Hafez Abu El-Enein

Submitted to

Zoology Department
Faculty of Science, Cairo University

Supervision Committee:

1. Prof. Dr. Suher Kamal Zada
Professor of Immunology,
Zoology Department,
Faculty of Science,
Cairo University

2. Prof. Dr. Mohamed Ali Saber
Professor of Biochemistry,
Biochemistry Department,
Theodor Bilharz Research Institute

3. Prof. Dr. Azza El-Bassiouny Ibrahim El-Bassiouny
Professor of Clinical, Chemical Pathology and Immunology,
Immunology and Evaluation of Therapy Department,
Theodor Bilharz Research Institute

4. Dr. Ragia Ali Charmy
Assistant Professor of Immunology,
Zoology Department,
Faculty of Science,
Cairo University

Head of Zoology Department

Prof. Dr. Kamal S. Al-Badry

"بسم الله الرحمن الرحيم"

To my dear family
"My love and appreciation
forever

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Gehan L. Hafez

2001

LIST OF ABBREVIATIONS

ACK	Ammonium chloride lysis buffer
Ag	Antigen
AP	Alkaline phosphatase
APC	Antigen presenting cell
BCIP	5-bromo-4-chloro-3-indolylphosphate
Con A	Concanavalin A
CSF	Colony stimulating factor
ΔCPM	Mean counts per minute
DEPC	Diethylpyrocarbonate
ECM	Extracellular matrix
ELAM-1	Endothelial leukocyte adhesion molecule-1
ELISA	Enzyme-linked immunosorbent assay
FITC	Flourescein isothiocyanate
g	Gravity force
G-CSF	Granulocyte-colony stimulating factor
GM	Granuloma macrophage
GM-CSF	Granulocyte macrophage-colony stimulating factor
GR	Granuloma
h	Hour
H & E	Hematoxylin and Eosin
HPRT	Hypoxanthine-guanine phosphoribosyltransferase
hu sTNFR-II:Fc	Human soluble tumor necrosis factor receptor-II linked to Fc portion of IgG
ICAM-1	Intercellular adhesion molecule-1
IFN γ	Interferon gamma
IL	Interleukin
i.p.	Intraperitoneal
i.v.	Intravenous
LFA	Lymphocyte function-associated antigen

LPF	Low power field (X10)
µci	Microcurie
µg	microgram
µl	Microlitre
M	Molar
mg	milligram
MHC	Major histocompatibility complex
min	Minute
ml	millitre
mM	Millimolar
NBT	Nitroblue tetrazolium
NK	Natural killer
OD	Optical density
PBS	Phosphate buffer saline
PCR	Polymerase chain reaction
pg	Picogram
pH	Hydrogen ion concentration
PK	Proteinase K
rh	Recominant human
rpm	Rotations per minute
RPMI 1640	Rosewell Park Memorial Institute Medium 1640
rm	Recombinant murine
RT	Reverse transcription
SC	Subcutaneous
SCID	Severe combined immunodeficient
SEA	Soluble egg antigen
SEM	Standard error of the mean
SP	Substance P
SSC	Saline sodium citrate
sTNFR	Soluble tumor necrosis factor receptor
TBS	Tris buffered saline
Tc	T cytotoxic