

بسم الله الرحمن الرحيم



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شبكة المعلومات الجامعية التوثيق الالكتروني والميكرونيلم





جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

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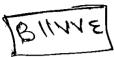








INTERLEUKIN- TWELVE [IL-12] IN TOXOPLASMOSIS CASES



Thesis Submitted For Partial

Fulfillment Of Master Degree In Parasitology

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LIST OF ABBREVIATIONS

A = Adenine

A.I = Activity index

AIDS = Acquired immunodeficiency syndrome.

APC = Antigen presenting cells.

B = B lymphocyte

BMSt = Bone marrow stromal cells

C = cytosine

CD 8 = T cytotoxic cell.

CD4 = T helper cell

CF = Complement fixation.

CLMF = Cytotoxic lymphocyte maturation factor.

CMI = Cell mediated immunity

CNS = Central nervous system

CSA = Circulating soluble antigen.

CSF = Cerebrospinal fluid

CTL = Cytotoxic T lymphocyte.

DNA = Deoxyribonucleic acid

DT = Dye test

EBV = Epsein Barr Virus

EIA = Enzyme immunoassay

electrophoresis.

ELISA = Enzyme- linked immunosorbent assay

En = Endothelial cells
Ep = Epithelial cells

ESA = Excretory secretory antigens

F = Fibroblast

FDC = Follicular dendritic cells

G = Guanine

GCSF = Granulocyte colony stimulating factor.

GM-CSF = Granulocyte - macrophage colony - stimulating factor

HIV = Human immunodeficiency virus.

IFA =Indirect fluorescent antibody

Ig A = Immunoglobulin A.

Ig E = Immunoglobulin E.

IgG = Immunoglobulin G.

IgM = Immunoglobulin M.

IHA = Indirect haemagglutination.

IL10 =Interleukin -10

 IL_{12} = Interleukin-12

IL4 = Interleukin-4

IL5 = Interleukin-5.

IL6 = Interleukin -6.

IL7 = Interleukin -7

INFγ = Interferon- gamma.

IU = International unite

K.D. = Kilodalton.

L = Leucocytes

LA =Latex agglutination

LAK = Lymphokine activated killer

LCV = Live cyst vaccine

LIF = Leukemia inhibitory factor.

M = Macrophages'

 M^+ = Monocyte

mAb = monoclonal Antibodies.

MAT = Modified agglutination test.

MC = Mast cell

MHC-I = Major histocompatibility complex class I.

MIP = Membrane inhibitory peptide

MOP = Membrane cofactor protein

MRC5 = Human embryonic fibroblast cell line

NAP = Neutrophil activating peptide

NK = Natural killer

NKSF = Natural killed cell stimulatory factor.

OD = Optical density

PAS = Periodic acid schiff

PBMC = Peripheral blood mononuclear cells.

PBS	= Phosphate buffer solution.
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$$T = T lymphocyte$$

Th I
$$=$$
 T helper I

TNF = Tumor necrosis factor

TMP - SMX = Trimethoprim-sulfamethoxazole.