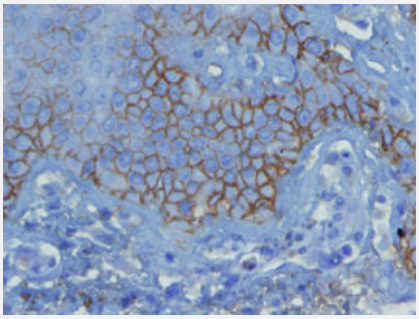
C3 monoclonal antibody, clone E28-P

Catalog # MAB9757 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human skin biopsy (4 µm) from lesion of the early pemphigus vulgaris (without blister formation), stained with C3 monoclonal antibody, clone E28-P (Cat # MAB9757) shows strong positive intraepidermal intercellular immunostaining.
Kindly performed and provided by Marian Svajdler, MD and Lucia Frohlichova, MD, from Louis Pasteur University Hospital Department of Pathology, Kosice, Slovak Republic.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of C3.
Immunogen	A synthetic peptide corresponding to N-terminus of human C3.
Host	Rabbit
Reactivity	Human
Form	Liquid
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:100-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM Tris-HCl, pH 8.0 (20 mg/mL BSA, 0.05% sodium azide)
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Formalin-fixed and paraffin-embedded human skin biopsy (4 µm) from lesion of the early pemphigus vulgaris (without blister formation), stained with C3 monoclonal antibody, clone E28-P (Cat # MAB9757) shows strong positive intraepidermal intercellular immunostaining.
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- Immunohistochemistry (Frozen sections)

Gene Info — C3

Entrez GeneID	718
Protein Accession#	P01024
Gene Name	C3
Gene Alias	ARMD9, ASP, CPAMD1
Gene Description	complement component 3
Omim ID	120700
Gene Ontology	Hyperlink
Gene Summary	Complement component C3 plays a central role in the activation of complement system. Its activat ion is required for both classical and alternative complement activation pathways. People with C3 deficiency are susceptible to bacterial infection. [provided by RefSeq
Other Designations	acylation-stimulating protein cleavage product|complement component C3

Publication Reference

- Leucocyte expression of complement C5a receptors exacerbates infarct size after myocardial reperfusion injury.

  De Hoog VC, Timmers L, Van Duijvenvoorde A, De Jager SC, Van Middelaar BJ, Smeets MB, Woodruff TM, Doevendans PA, Pasterkamp G, Hack CE, De Kleijn DP.

  Cardiovascular Research 2014 Sep; 103(4):521.

  Application : IHC-P, Mouse, Ventricles

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Pathway

- Complement and coagulation cascades
- Systemic lupus erythematosus

Disease

- Alzheimer disease
- Asthma
- Atherosclerosis
- Birth Weight
- Brain Ischemia
- Bronchial Hyperreactivity
- Bronchiolitis
- Calcinosis
- Cardiovascular Diseases
- Celiac Disease
- Chlamydia Infections
- Choroidal Neovascularization
- Coronary Artery Disease
- Coronary Disease
- Dermatitis
- Diabetes Complications
- Diabetes Mellitus
- Disease Progression
- Disease Susceptibility
- Diseases in Twins

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- Edema
- Erythema Nodosum
- Genetic Predisposition to Disease
- Geographic Atrophy
- Glioblastoma
- Glioma
- Hematologic Diseases
- Hemolytic-Uremic Syndrome
- Hypersensitivity
- Hypertension
- Infant
- Inflammation
- Inflammatory Bowel Diseases
- Leukemia
- Lupus Erythematosus
- Lymphoma
- Macular Degeneration
- Meningeal Neoplasms
- Meningioma
- Metabolic Syndrome X
- Migraine Disorders
- Neoplasms
- Occupational Diseases
- Osteoporosis
- Ovarian Neoplasms
- Pulmonary Disease

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- Recurrence
- Respiratory Syncytial Virus Infections
- Retinal Drusen
- Sarcoidosis
- Stroke
- Tobacco Use Disorder
- Trachoma
- Tuberculosis
- Vision
- Wet Macular Degeneration

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