

β 2-微球蛋白抗体

产品货号： mlR0390

英文名称： beta 2 Microglobulin

中文名称： β 2-微球蛋白抗体

别名： B2M; Beta-2-MG; Beta 2 microglobulin precursor; Beta chain of mhc class 1 proteins; Hdcma22p; B2MG_HUMAN; Beta-2 microglobulin; Beta 2 microglobulin precursor; Beta chain of mhc class 1 proteins; Beta chain of MHC class I molecules; Beta-2-microglobulin form pI 5.3; CDABP0092.

研究领域： 细胞生物 免疫学 淋巴细胞

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human,

产品应用： WB=1:500-2000 ELISA=1:500-1000

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量 : 13/27kDa

细胞定位 : 分泌型蛋白

性 状 : Lyophilized or Liquid

浓 度 : 1mg/ml

免 疫 原 : Recombinant human Beta-2-Microglobulin protein:21-119/119

亚 型 : IgG

纯化方法 : affinity purified by Protein A

储 存 液 : 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件 : Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

PubMed : PubMed

产品介绍： This gene encodes a serum protein found in association with the major histocompatibility complex (MHC) class I heavy chain on the surface of nearly all nucleated cells. The protein has a predominantly beta-pleated sheet structure that can form amyloid fibrils in some pathological conditions. A mutation in this gene has been shown to result in hypercatabolic hypoproteinemia.[provided by RefSeq, Sep 2009].

Function:

Component of the class I major histocompatibility complex (MHC). Involved in the presentation of peptide antigens to the immune system.

Subunit:

Heterodimer of an alpha chain and a beta chain. Beta-2-microglobulin is the beta-chain of major histocompatibility complex class I molecules. Polymers of beta 2-microglobulin can be found in tissues from patients on long-term hemodialysis.

Subcellular Location:

Secreted. Note=Detected in serum and urine.

Post-translational modifications:

Glycation of Ile-21 is observed in long-term hemodialysis patients.

DISEASE:

Defects in B2M are the cause of hypercatabolic hypoproteinemia (HYCATHYP) [MIM:241600]. Affected individuals show marked reduction in serum concentrations of immunoglobulin and albumin, probably due to rapid degradation.

Note=Beta-2-microglobulin may adopt the fibrillar configuration of amyloid in certain pathologic states. The capacity to assemble into amyloid fibrils is concentration dependent. Persistently high beta(2)-microglobulin serum levels lead to amyloidosis in patients on long-term hemodialysis.

Similarity:

Belongs to the beta-2-microglobulin family.

Contains 1 Ig-like C1-type (immunoglobulin-like) domain.

SWISS:

P61769

Gene ID:

567

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

小鼠抗人 β 2 微球蛋白在中枢神经系统感染、肿瘤及全身性自身免疫性疾病患者脑脊液中，会出现 β 2MG 蛋白不同程度的增高。

产品图片

