# abcam

## Product datasheet

## Human AICDA peptide ab13718

## 1 图像

描述

产**品名称** 人AICDA多肽

纯**度** > 90 % HPLC.

无动物成分 No

性质 Synthetic

**种属** Human

#### 技术指标

Our <u>Abpromise guarantee</u> covers the use of ab13718 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用 Blocking - Blocking peptide for Anti-AlCDA antibody - ChIP Grade (ab5197)

形式 Liquid

补充说明 - First try to dissolve a small amount of peptide in either water or buffer. The more charged

residues on a peptide, the more soluble it is in aqueous solutions.

- If the peptide doesn't dissolve try an organic solvent e.g. DMSO, then dilute using water or

buffer.

- Consider that any solvent used must be compatible with your assay. If a peptide does not

dissolve and you need to recover it, lyophilise to remove the solvent.

- Gentle warming and sonication can effectively aid peptide solubilisation. If the solution is

cloudy or has gelled the peptide may be in suspension rather than solubilised.

- Peptides containing cysteine are easily oxidised, so should be prepared in solution just prior

to use.

### 制备和贮存

稳定性和存储 Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw

cycles.

Information available upon request.

## 常规信息

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功能 RNA-editing deaminase involved in somatic hypermutation, gene conversion, and class-switch

recombination. Required for several crucial steps of B-cell terminal differentiation necessary for

efficient antibody responses.

组织特异性 Strongly expressed in lymph nodes and tonsils.

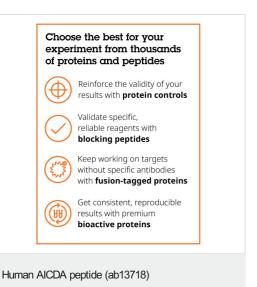
疾病相关 Defects in AICDA are the cause of hyper-lgM immunodeficiency syndrome type 2 (HIGM2)

[MIM:605258]; also known as hyper-lgM syndrome 2. HIGM2 is an autosomal recessive disorder characterized by normal or elevated serum lgM levels with absence of lgG, lgA, and lgE, resulting in a profound susceptibility to bacterial infections. HIGM2 causes the absence of lg class switch recombination (CSR), the lack of lg somatic hypermutations, and lymph node hyperplasia caused

by the presence of giant germinal centers.

序列相似性 Belongs to the cytidine and deoxycytidylate deaminase family.

#### 图片



To learn more about our protein and peptide range click here.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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