

Product datasheet

Anti-Calreticulin antibody [FMC 75] (Phycoerythrin) ab83220

★★★★★ 1 Abreviews 3 References 1 图像

概述

产品名称	Anti-Calreticulin抗体[FMC 75] (Phycoerythrin)
描述	小鼠单克隆抗体[FMC 75] to Calreticulin (Phycoerythrin)
宿主	Mouse
偶联物	Phycoerythrin. Ex: 488nm, Em: 575nm
经测试应用	适用于: Flow Cyt
种属反应性	与反应: Cow, Human, Monkey
免疫原	Recombinant Calreticulin protein
阳性对照	Jurkat cells.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C.
存储溶液	Preservative: 0.09% Sodium Azide Constituents: PBS, pH 7.2
纯度	Protein G purified
克隆	单克隆
克隆编号	FMC 75
同种型	IgG1
轻链类型	kappa

应用

Our [Abpromise guarantee](#) covers the use of **ab83220** in the following tested applications.

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

应用	Ab评论	说明
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应用	Ab评论	说明
Flow Cyt	★★★★★	1/100. ab91357 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

靶标

功能

Molecular calcium-binding chaperone promoting folding, oligomeric assembly and quality control in the ER via the calreticulin/calnexin cycle. This lectin interacts transiently with almost all of the monoglucosylated glycoproteins that are synthesized in the ER. Interacts with the DNA-binding domain of NR3C1 and mediates its nuclear export.

序列相似性

Belongs to the calreticulin family.

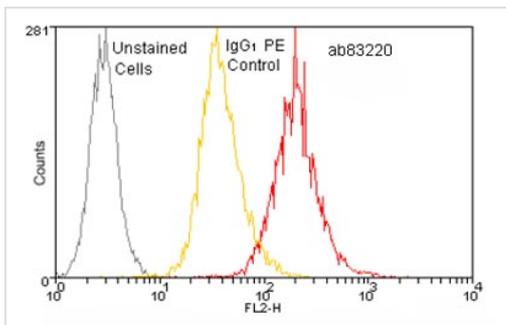
结构域

Can be divided into a N-terminal globular domain, a proline-rich P-domain forming an elongated arm-like structure and a C-terminal acidic domain. The P-domain binds one molecule of calcium with high affinity, whereas the acidic C-domain binds multiple calcium ions with low affinity. The interaction with glycans occurs through a binding site in the globular lectin domain. The zinc binding sites are localized to the N-domain. Associates with PDIA3 through the tip of the extended arm formed by the P-domain.

细胞定位

Endoplasmic reticulum lumen. Cytoplasm > cytosol. Secreted > extracellular space > extracellular matrix. Cell surface. Also found in cell surface (T cells), cytosol and extracellular matrix. Associated with the lytic granules in the cytolytic T-lymphocytes.

图片



Intracellular staining of 10^6 Jurkat cells using ab83220 at a concentration of $10\mu\text{g/ml}$.

Flow Cytometry - Anti-Calreticulin antibody [FMC 75] (Phycoerythrin) (ab83220)

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