

小鼠抗 CALR 单克隆抗体

中文名称： 小鼠抗 CALR 单克隆抗体

英文名称： Anti-CALR mouse monoclonal antibody

别名： calreticulin; RO; CRT; SSA; cC1qR; HEL-S-99n

相关类别： 一抗

储存： 冷冻（-20℃）

宿主： Mouse

抗原： CALR

反应种属： Human

标记物： Unconjugate

克隆类型： mouse monoclonal

技术规格

Background:

Calreticulin is a multifunctional protein that acts as a major Ca²⁺-binding (storage) protein in the lumen of the endoplasmic reticulum. It is also found in the nucleus, suggesting that it may have a role in transcription regulation. Calreticulin binds to the synthetic peptide KLGFFKR, which is almost identical to an amino acid sequence in the DNA-binding domain of the superfamily of nuclear receptors. Calreticulin binds to antibodies in certain sera of systemic lupus and Sjogren patients which contain anti-Ro/SSA antibodies, it is highly conserved among species, and it is located in the endoplasmic and sarcoplasmic reticulum where

	<p>e it may bind calcium. The amino terminus of calreticulin interacts with the DNA-binding domain of the glucocorticoid receptor and prevents the receptor from binding to its specific glucocorticoid response element. Calreticulin can inhibit the binding of androgen receptor to its hormone-responsive DNA element and can inhibit androgen receptor and retinoic acid receptor transcriptional activities in vivo, as well as retinoic acid-induced neuronal differentiation. Thus, calreticulin can act as an important modulator of the regulation of gene transcription by nuclear hormone receptors. Systemic lupus erythematosus is associated with increased autoantibody titers against calreticulin but calreticulin is not a Ro/SS-A antigen. Earlier papers referred to calreticulin as an Ro/SS-A antigen but this was later disproven. Increased autoantibody titer against human calreticulin is found in infants with complete congenital heart block of both the IgG and IgM classes.</p>
Applications:	ELISA, WB
Name of antibody:	CALR
Immunogen:	Fusion protein of human CALR
Full name:	calreticulin
Synonyms:	RO; CRT; SSA; cC1qR; HEL-S-99n
SwissProt:	P27797
WB Predicted band size:	48 kDa
WB Positive control:	HeLa whole cell lysate
WB Recommended dilution:	1000-5000

