

## Mouse Monoclonal Antibody to Calreticulin

<b>Catalogue Number</b>	sAP-0147
<b>Target Molecule</b>	<p><b>Name:</b> Calreticulin</p> <p><b>Aliases:</b> RO; CRT; SSA; cC1qR; FLJ26680; CALR</p> <p><b>MW:</b> N/A</p> <p><b>Entrez Gene ID:</b> 811</p>
<b>Description</b>	Calreticulin is a multifunctional protein that acts as a major Ca(2+)-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 KLGFFFKR, 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 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
<b>Immunogen</b>	Synthetic peptide corresponding to aa(E-E-E-D-V-P-G-Q-A-K-D-E-L-C) of human Calreticulin, conjugated to KLH.
<b>Reactive Species</b>	Human;
<b>Clone</b>	MMN/A;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Rabbit anti-serum.
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. J Biol Chem. 2006 May 5;281(18):12841-8. Epub 2006 Mar 9. ; 2. Biochim Biophys Acta. 2006 May;1760(5):745-53. Epub 2006 Feb 28. ; 3. Oncol Rep. 2007 May;17(5):1101-7. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**