### Product Specific Information

**MA1-91034** detects Calreticulin from human, monkey, and hamster samples.

MA1-91034 has been successfully used in FACS, IP, immunocytochemistry, immunohistochemistry, Western blot applications.

The MA1-91034 immunogen is a calreticulin-maltose binding fusion protein

Store at 4°C short term. For extended storage aliquot and store at -20°C, avoiding freeze/thaw cycles.

### Background/Target Information

Calr or Calreticulin is a calcium-binding chaperone that promotes folding, oligomeric assembly and quality control in the endoplasmic reticulum (ER) via the calreticulin/calnexin cycle. Calr, a lectin, interacts transiently with almost all of the monoglucosylated glycoproteins that are synthesized in the ER. Calr also interacts with with the DNA-binding domain of NR3C1 and mediates its nuclear export. It may also be involved in maternal gene expression regulation and oocyte maturation via the regulation of calcium homeostasis.