c3c Antibody – Swine Polyclonal

PRODUCT OVERVIEW

Product Name	C3c, Polyclonal Antibody
Full Product Name	Swine anti Human C3c
Product Gene Name	anti-c3c antibody
Clonality	Polyclonal
Host	Swine
Species Reactivity	Human
Form/Format	Delipidated, heat inactivated, lyophilized, stable whole serum. No preservative added Total protein and IgG concentrations in the antiserum are comparable to those of normal pooled swine serum. No foreign proteins added
Specificity	Precipitating polyclonal Swine antiSerum to C3c subunit of Human complement C3.
Preparation and Storage	Store at 4°C. Prolonged storage at or below -20°C. Dilutions may be prepared by adding phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance of the antiserum. Diluted antiserum should be stored at 4°C, not refrozen, and preferably used the same day.
Chromosome Location	Chromosome: 1; NC_007112.5 (56821390..56867343). Location: chromosome: 1
Source	C3c is the major fragment resulting from the C3 cleavage by C3 convertase and factor i. It is composed of an intact beta chain bound to two fragments of the alpha chain. The protein is isolated and purified from pooled normal human serum by precipitation techniques, followed by chromatographical methods. Freund's complete adjuvant is used in the first step of the immunization procedure.
Reconstitution	Reconstitute the lyophilized antiserum by adding 1 ml sterile distilled water.
Species-Reactivity	Inter-species cross-reactivity is a normal feature of antibodies to plasma proteins, since homologous proteins of different species frequently share antigenic determinants. Crossreactivity of this antiSerum has not been tested in detail
Product Categories/Family for anti-c3c antibody	Complement; Coagulation; Haematology
Application Notes for anti-c3c antibody	Precipitation assays. In immunoelectrophoresis use 2 ul human plasma or equivalent against 120 ul antiserum. In double radial immunodiffusion use a rosette arrangement with 10 ul antiserum in 3 mm diameter center well and 2 ?l plasma samples (neat and serially diluted) in 2 mm diameter peripheral wells. In single radial immunodiffusion use 1 percent antiserum in the gel.
Related Product Information for anti-c3c antibody	In immunoelectrophoresis against fresh human serum, a single precipitin line is obtained in the beta-1 region representing native C3. Against serum containing partly activated C3, a precipitin line is obtained which extends from the beta-1 into the alpha-2 region, demonstrating a gradient. In old serum containing totally activated C3 a single precipitin line in the alpha-2 region is obtained. Antisera to C3c can also react with the fragments C3b, C3bi and smaller fragments, since they all carry antigenic determinants of the C3c domain. The product does not react with any other proteins component of human serum or plasma. In precipitating techniques as immunoelectrophoresis and single and double radial immunodiffusion (Mancini, Ouchterlony) to identify the presence of complement C3c or to determine its concentration. The presence of non-precipitating antibodies has not been assayed. This does not exclude the use of the antiserum in non-precipitating antibody- binding techniques if proper controls are included. Determinations of individual complement components can be very useful in defining the exact location of a defect.

Other Notes	Small volumes of anti-c3c antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for c3c purchase	MBS573527 is an antibody targeting c3c. Also known as Swine anti Human C3c. Reactive in Human. Host: Swine.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for c3c. It may not necessarily be applicable to this product.

NCBI GI #	82524318
NCBI GeneID	565074
NCBI Accession #	NP_001032313.1
GenBank Nucleotide #	NM_001037236.1
NCBI Official Full Name	complement component c3c
NCBI Official Synonym Full Names	complement component c3c
NCBI Official Symbol	c3c
NCBI Official Synonym Symbols	C3-3; c3-2; unp301; zgc:103610
NCBI Protein Information	complement component c3c; complement component C3-2
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