



Product Datasheet

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| Product Name | Complement Component C4c Human |
| Cata No | CB501168 |
| Source | <i>Human Plasma</i> |
| Synonyms | Complement C4c, Complement Component C4c, C4c. |

Description

Complement C4c is a degradation product of C4b which is cleaved by C4b/C3b inactivator to yield C4d and C4c.

Complement C4c interacts with C1 and C2 to form C3 convertase of the classic activation pathway. Systemic lupus erythematosus (SLE) is often associated with congenital C4 deficiency. Reduced levels of components of the classic pathway (C1, C2, C4, C3) are common after such activation, e.g. in SLE, acute serum sickness and conditions associated with circulating immune complexes. Human C4c produced in Human plasma having a molecular mass of 210 kDa.

Physical Appearance

Sterile Filtered clear solution.

Purity

Greater than 99.0%.

Formulation

The Human Complement C4c solution is in Sodium Phosphate buffer pH 7.0 containing 0.15M NaCl and 0.09% NaN₃.

Stability

Human C4c although stable at 4°C for 1 week, should be stored at -15°C.

Please avoid freeze-thaw cycles.