

## C4c Human

**Description:** Human C4c produced in Human plasma having a molecular mass of 210 kDa.

**Catalog #:** PRPS-563

**Synonyms:** Complement C4c, Complement Component C4c, C4c.

For research use only.

**Source:** Human Plasma.

**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% NaN<sub>3</sub>.

**Stability:**

Human C4c although stable at 4°C for 1 week, should be stored at -15°C. Please avoid freeze-thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

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.

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