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## Product Datasheet

### Cynomolgus Complement C3 Protein, His Tag, Unconjugated BYT-ORB1101181

Article Name	Cynomolgus Complement C3 Protein, His Tag, Unconjugated
Biozol Catalog Number	BYT-ORB1101181
Supplier Catalog Number	orb1101181
Alternative Catalog Number	BYT-ORB1101181-100,BYT-ORB1101181-1
Manufacturer	Biorbyt
Category	Proteine/Peptide
Species Reactivity	Monkey
Conjugation	Unconjugated
Product Description	Cynomolgus Complement C3, His Tag is expressed from human 293 cells (HEK293). It contains AA Thr 23 - Asn 1663 (Accession G7PYU9-1)....
Molecular Weight	71.3 kDa (beta chain) and 113.0 kDa (alpha chain)
NCBI	<a href="#">7</a>
UniProt	<a href="#">G7PYU9</a>
Buffer	PBS, pH 7.4
Purity	95%
Form	Powder
Target	Complement C3

Application Notes

Biological Activity: Immobilized Cynomolgus Complement C3, His Tag at 1  $\mu\text{g}/\text{mL}$  (100  $\mu\text{L}/\text{well}$ ) can bind Human Anti-C3, Human IgG1 Human Kappa with a linear range of 0.2-8  $\text{ng}/\text{mL}$  (QC tested).  
Application Notes: This protein carries a polyhistidine tag at the C-terminus. The mature form of Complement component 3 is a disulfide-linked heterodimer composed of proteolytically cleaved alpha and beta chain. Each alpha and beta chain has a calculated MW of 71.3 kDa (beta chain) and 113.0 kDa (alpha chain). The protein migrates as 64-68 kDa (beta chain) and 100-120 kDa (alpha chain) and 160-180 kDa (intact Complement component 3) under reducing (R) condition (SDS-PAGE) due to glycosylation