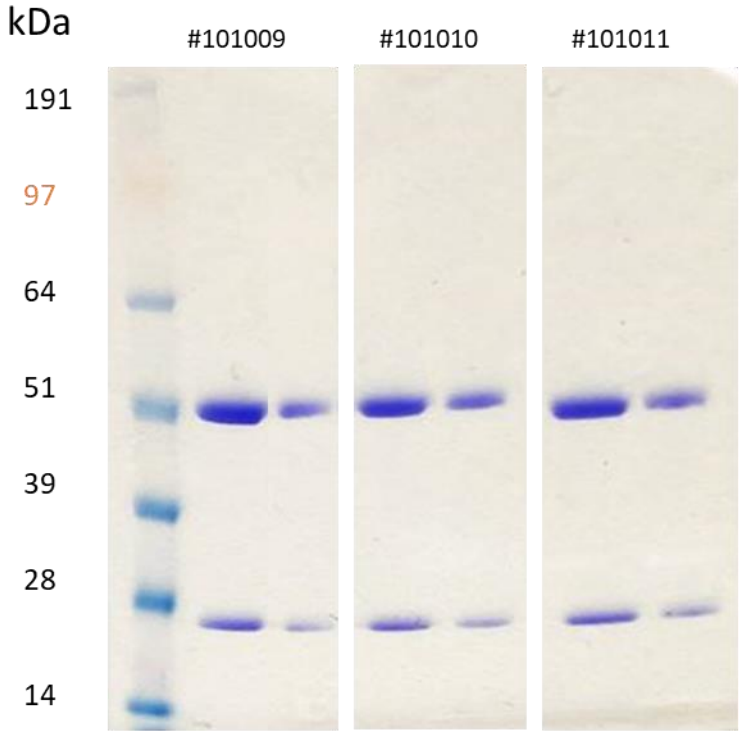
Data Sheet
For Research Use Only

NAME	Anti-SARS-CoV-2 nucleoprotein monoclonal antibody (CR3009)
CATALOGUE NUMBER	#101009
PROVIDED	50µg of purified mAb in PBS
LOT NUMBER	07102020
DESCRIPTION	A human monoclonal antibody to SARS-CoV-2 Nucleocapsid protein. An antibody formed of CR3009 heavy chain and CR3001 light chain. Recombinantly produced in HEK cells with plasmids generated by introduction of the variable region based on the GenBank sequence with regions of overlap to restriction digested human IgG1 vectors for NEB assembly cloning.
ISOTYPE	IgG1 kappa



5 & 2ug mAb on 4-12% Bis-Tris Gel (Reduced)

NUCLEIC ACID SEQUENCES **CR3009 Heavy Chain**

CATCCTTTTTCTAGTAGCAACTGCAACCGGTGTACATTCCgaggtg
cagctggtggagtctgggggaggcgtggtccagcctgggaggtccctgagactctcctgtgca
gcctctggattcacctttagcgactaccccatgaactgggtccgccaggcgcccgggaaggg
gctggagtgggtctcatccattagtggtagtggtggtagcacatactacgcagactccgtgaag
ggccggttcaccatctccagagacaattccaagaacacgctgtatctgcaaatgaacagcctg
agagccgaggacacagccgtgtattactgtgcaaaaggcctcttcatggtcaccacgtacgcg
ttcgattactggggccagggcaccctggtgaccgtgctcgagTCAGCGTCGACCAA
GGGCCCATCGGTCTTC

CR3001 Light Chain

CATCCTTTTTCTAGTAGCAACTGCAACCGGTGTACATTCGgagctc
acccagtctccatcctccctgtctgcatctgtaggagacagagtcaccatcacttgccgggcaa
gtcagagcattagcagctacttaaattggtatcagcagaaaccagggaaagcccctaagctc
ctgatctatgctgcatccagtttgcaaagtggggtcccatcaaggttcagtggcagtggatctgg
gacagatttcactctcaccatcagcagtctgcaacctgaagattttgcaacttactactgtcaaca
gagttacagtacccctccaacgttcggccaagggaccaaggtggagatcaaaCGTACG
GTGGCTGCACCATCTGTCTTC

AMINO ACID SEQUENCES **CR3009 Heavy Chain**

ILFLVATATGVHSEVQLVESGGGVVQPGRSLRLSCAASGFTFSDYP
MNWVRQAPGKGLEWVSSISGSGGSTYYADSVKGRFTISRDNSKN
TLYLQMNSLRAEDTAVYYCAKGLFMVTTYAFDYWGQGTLVTVLE

CR3001 Light Chain

ILFLVATATGVHSELTQSPSSLSASVGDRVTITCRASQSISSYLNWY
QQKPGKAPKLLIYAASSLQSGVPSRFSGSGSGTDFTLTISSLQPED
FATYYCQQSYSTPPTFGQGTKVEIKRTVAAPSVF

STORAGE -20°C

DEPOSITOR (Plasmid) Drs Laura E McCoy and Katie Doores, University College London

DEPOSITOR (Antibody) Dr Yann LeDuff and Matthew Hurley, NIBSC

REFERENCE: https://www.ncbi.nlm.nih.gov/pmc/articles/PMC544131/

ACKNOWLEDGEMENTS The acknowledgment should read: “The [Insert reagent name] was provided the NIBSC Repository, UK. Thanks to [Depositors].”

Please also ensure that you send us a copy of any papers resulting from work using reagents acquired through CFAR, this can be by e-mail or printed copy.

MATERIAL SAFETY SHEET

Physical properties (at room temperature)			
Physical appearance	Clear, liquid		
Fire hazard	None		
Chemical properties			
Stable	Yes	Corrosive:	No
Hygroscopic	No	Oxidising:	No
Flammable	No	Irritant:	No
Other: This product is a genetically modified material; It is the responsibility of the end user to seek local biosafety approval for the storage and handling of the material in their workplace			
Handling: CAUTION - This preparation is not for administration to humans or animals in the human food chain. As with all materials of biological origin, this preparation should be regarded as potentially hazardous to health. It should be used and discarded according to your own laboratory's safety procedures. Such safety procedures should include the wearing of protective gloves and avoiding the generation of aerosols.			
Toxicological properties			
Effects of inhalation:	Not established, avoid inhalation		
Effects of ingestion:	Not established, avoid ingestion		
Effects of skin absorption:	Not established, avoid contact with skin		
Suggested First Aid			
Inhalation	Seek medical advice		
Ingestion	Seek medical advice		
Contact with eyes	Wash with copious amounts of water. Seek medical advice.		
Contact with skin	Wash thoroughly with water.		

Action on Spillage and Method of Disposal
Spillage of vial contents should be taken up with absorbent material wetted with a virucidal agent. Rinse area with a virucidal agent followed by water. Absorbent materials used to treat spillage should be treated as biologically hazardous waste.