

Rev01
Update: Dec,28,2022**DATASHEET**

HCoV-OC43 Spike glycoprotein

Cat. No.: RP30011

Overview

Description	This pool is delivered in two subpools of two subpools of 168 peptides derived from a peptide scan (15mers with 11 aa overlap) through the entire Spike glycoprotein (Protein ID: P36334) of Human coronavirus OC43 (HCoV-OC43) for T cell assays.
Sequence	MFLILLISLPTAFAVIGDLKCTSDNINDKDTGPPPISTDTVDVTNGLGTYVLDREVYLNNTLFLNGYYPT SGSTYRNMALKGSVLLSRLWFKPPFLSDFINGIFAKVKNTKVIKDRVMYSEFPAITIGSTFVNTSYSVWV QPRINSTQDGDNKLQGLLEVSVCQYNMCEYPQTICHPNLGNHRKELWHLDTGVVSCLYKRNFTYD VNADYLYFHFYQEGGTFYAYFTDTGWTKFLFNVLGMALSHYYVMP LTCNSKLTLEYWVTP LTSRQY LLAFNQDGIIFNAEDCMSDFMSEIKCKTQSIAPPTGVYELNGYTVQPIADVYRRKPNLPNCNIEAWLND KSVPSPLNWERKTFSNCFNMSSLMSEFIQADSFTCNNIDA AKIYGMCFSSITIDKFAIPNGRKVDLQL GNLGYLQSFNYRIDTTATSCQLYLNPAANVSVSRFNPSTWNRKFRGFIEDSVFKPRPAGVLTNHDVWY AQHCFKAPKNFCPCKLNGSCVSGPGKNNIGITCPAGTNYLTC DNLC TPDITFTGT YKCPQTKSLV GIGEHCSGLAVKSDYCGGNSCTCRPQAFLGWSAD SCLQGDKCNIFANFILHDVNSGLTCSTDLQKAN TDIILGVCVNYDLYGILGQGIFVEVNATYYNSWQNLLYDSNGNLYGFRDYIINRTFMIRSCYSGRVSAAF HANSSEPALLFRNIKCNYVFNNSLTRQLQPINYFDSYLGCVNAYNSTAISVQTCDLTVGSGYCVDYDK NRRSRGAIITGYRFTNFEPFTVNSVND SLEPVGGLYEIQIPSEFTIGNMVEFIQTSSPKVTIDCAAFVCG DYAACKSQLVEYGSFCDNINAILTEVNELLDTTQLQVANS LMNGVTLSTKLKDG VNFNVD DINFSPVL GCLGSECSKASSRSAIEDLLFDKVKLSDVGFVEAYNNCTGGAEIRDLCVQSYKGIKVLPPLLENQISG YTLAATSASLFPWTAAGVPFYLVN VQYRINGLGVTMDVLSQNQKLIANAFNNALYAIQEGFDATNSA LVKIQAVVNANA EALNLLQQLSNRFGAISASLQEILSR LDALEAEAQIDRLINGRLTALNAYVSQQLS DSTLVKFSAAQAMEKVN ECVKSQSSRINFCGNGNHIISLVQNPYGLYFIHFSYVPTKYVTARVSPGLC IAGDRGIAPKSGYFVNVNNTWMTGSGYYP EPI TENNVVMSTCAVNYTKAPYVMLNTSIPNLPDFK EELDQWFKNQTSVAPDLSDYINVTFLDLQVEMNRLQEAIKVLNQSYINLKDIGTYEYVVKWPWYVWL LICLAGVAMLVLLFFICCCTGCGTSCFKKCGGCCDDYTGYQELVIKTSHDD

Properties

Purity	Crude
Solubility	Dissolve in a minimum amount of pure DMSO (approx. 40 µl) and dilute with PBS buffer to the final concentration. Please note that the final concentration of DMSO must be below 1 % (v/v) to avoid toxicity in the biological system.
Form	Lyophilized
Storage	Store at -20°C.

Note The peptides of this product are supplied as trifluoroacetate salts

Applications

T-cell assays, Immune monitoring, Antigen specific T-cell stimulation, T-cell expansion, Cellular immune response

Sequence (one-letter-code)

Code	Sequence	Code	Sequence
peptide_1	MFLILLISLPTAFAV	peptide_2	LLISLPTAFAVIGDL
peptide_3	LPTAFAVIGDLKCTS	peptide_4	FAVIGDLKCTSDNIN
peptide_5	GDLKCTSDNINDKDT	peptide_6	CTSDNINDKDTGPPP
peptide_7	NINDKDTGPPPISTD	peptide_8	KDTGPPPISTDVDV
peptide_9	PPPISTDVDVTNGL	peptide_10	STDVTVDVTNGLGTY
peptide_11	VDVTNGLGTYVLDLDR	peptide_12	NGLGTYVLDLDRVYLN
peptide_13	TYVLDLDRVYLNNTLFL	peptide_14	LDRVYLNNTLFLNGY
peptide_15	YLNNTLFLNGYPT	peptide_16	TLFLNGYPTSGSTY
peptide_17	NGYPTSGSTYRNMA	peptide_18	PTSGSTYRNMAKGS
peptide_19	STYRNMAKGSVLLS	peptide_20	NMAKGSVLLSRLWF
peptide_21	KGSVLLSRLWFKPPF	peptide_22	LLSRLWFKPPFLSDF
peptide_23	LWFKPPFLSDFINGI	peptide_24	PPFLSDFINGIFAKV
peptide_25	SDFINGIFAKVKNTK	peptide_26	NGIFAKVKNTKVIKD
peptide_27	AKVKNTKVIKDRVMY	peptide_28	NTKVIKDRVMYSEFP
peptide_29	IKDRVMYSEFPAITI	peptide_30	VMYSEFPAITIGSTF
peptide_31	EFPITIGSTFVNTS	peptide_32	ITIGSTFVNTSYSVW
peptide_33	STFVNTSYSVWVQPR	peptide_34	NTSYSVWVQPRNTS
peptide_35	SVVWVQPRINSTQDG	peptide_36	QPRINSTQDGDNKL
peptide_37	INSTQDGDNKLQGLL	peptide_38	QDGDNKLQGLLEVS
peptide_39	NKLQGLLEVSVCQYN	peptide_40	GLLEVSVCQYNMCEY
peptide_41	VSVCQYNMCEYPQTI	peptide_42	QYNMCEYPQTICHPN
peptide_43	CEYPQTICHPNLGNH	peptide_44	QTICHPNLGNHRKEL
peptide_45	HPNLGNHRKELWHL	peptide_46	GNHRKELWHLDTGV
peptide_47	KELWHLDTGVVSLCY	peptide_48	HLDTGVVSLCYKRN

peptide_49	GVVSCLYKRNFYTDV	peptide_50	CLYKRNFYTDVNADY
peptide_51	RNFYTDVNADYLYFH	peptide_52	YDVNADYLYFHFYQE
peptide_53	ADYLYFHFYQEGGTF	peptide_54	YFHFYQEGGTFYAYF
peptide_55	YQEGGTFYAYFTDTG	peptide_56	GTFYAYFTDTGVVTK
peptide_57	AYFTDTGVVTKFLFN	peptide_58	DTGVVTKFLFNVYLG
peptide_59	VTKFLFNVLGMALS	peptide_60	LFNVYLGMAISHYV
peptide_61	YLGMAISHYVVMLPT	peptide_62	ALSHYVVMLPTCNSK
peptide_63	YVVMLPTCNSKLTLE	peptide_64	PLTCNSKLTLEYWVT
peptide_65	NSKLTLEYWVTPLTS	peptide_66	TLEYWVTPLTSRQYL
peptide_67	WVTPLTSRQYLLAFN	peptide_68	LTSRQYLLAFNQDGI
peptide_69	QYLLAFNQDGIIFNA	peptide_70	AFNQDGIIFNAEDCM
peptide_71	DGIIFNAEDCMSDFM	peptide_72	FNAEDCMSDFMSEIK
peptide_73	DCMSDFMSEIKCKTQ	peptide_74	DFMSEIKCKTQSIAP
peptide_75	EIKCKTQSIAPPTGV	peptide_76	KTQSIAPPTGVYELN
peptide_77	IAPPTGVYELNGYTV	peptide_78	TGVYELNGYTVQPIA
peptide_79	ELNGYTVQPIADVYR	peptide_80	YTVQPIADVYRRKPN
peptide_81	PIADVYRRKPNLPNC	peptide_82	VYRRKPNLPNCNIEA
peptide_83	KPNLPNCNIEAWLND	peptide_84	PNCNIEAWLNDKSV
peptide_85	IEAWLNDKSVPSPLN	peptide_86	LNDKSVPSPLNWERK
peptide_87	SVPSPLNWERKTFSN	peptide_88	PLNWERKTFSNCNFN
peptide_89	ERKTFSNCNFMSSL	peptide_90	FSNCNFMSSLMSFI
peptide_91	NFMSSLMSFIQADS	peptide_92	SSLMSFIQADSFTCN
peptide_93	SFIQADSFTCNNIDA	peptide_94	ADSFTCNNIDAAKIY
peptide_95	TCNNIDAAKIYGMCF	peptide_96	IDAAKIYGMCFSSIT
peptide_97	KIYGMCFSSITIDKF	peptide_98	MCFSSITIDKFAIPN
peptide_99	SITIDKFAIPNGRKV	peptide_100	DKFAIPNGRKVLDLQL
peptide_101	IPNGRKVLDLQLGNLG	peptide_102	RKVLDLQLGNLGYLQS
peptide_103	LQLGNLGYLQSFNYR	peptide_104	NLGYLQSFNYRIDTT
peptide_105	LQSFNYRIDTTATSC	peptide_106	NYRIDTTATSCQLYY
peptide_107	DTTATSCQLYYNLPA	peptide_108	TSCQLYYNLPAANVS
peptide_109	LYYNLPAANVSVSRF	peptide_110	LPAANVSVSRFNPST
peptide_111	NVSVSRFNPSTWNKR	peptide_112	SRFNPSTWNKRFGFI

peptide_113	PSTWNRKRFGIEDSV	peptide_114	NKRFGFIEDSVFKPR
peptide_115	GFIEDSVFKPRPAGV	peptide_116	DSVFKPRPAGVLTNH
peptide_117	KPRPAGVLTNHDVWY	peptide_118	AGVLTNHDVWYAQHC
peptide_119	TNHDVWYAQHCFKAP	peptide_120	VWYAQHCFKAPKNFC
peptide_121	QHCFKAPKNFCPCKL	peptide_122	KAPKNFCPCKLNGSC
peptide_123	NFCPCKLNGSCVGS	peptide_124	CKLNGSCVGS GPGKN
peptide_125	GSCVGS GPGKNNGIG	peptide_126	GSGPGKNNGIGTCPA
peptide_127	GKNNGIGTCPAGTNY	peptide_128	GIGTCPAGTNYLTCD
peptide_129	CPAGTNYLTCDNLCT	peptide_130	TNYLTCDNLCTPDPI
peptide_131	TCDNLCTPDPIFTG	peptide_132	LCTPDPIFTGTGYKC
peptide_133	DPITFTGTYPQTK	peptide_134	FTGTYPQTKSLVG
peptide_135	YKCPQTKSLVGIGEH	peptide_136	QTKSLVGIGEHCSGL
peptide_137	LVGIGEHCSGLAVKS	peptide_138	GEHCSGLAVKSDYCG
peptide_139	SGLAVKSDYCGGNSC	peptide_140	VKSDYCGGNSCTCRP
peptide_141	YCGGNSCTCRPQAF	peptide_142	NSCTCRPQAFGLWSA
peptide_143	CRPQAFGLWSADSL	peptide_144	AFLGWSADSLQGDK
peptide_145	WSADSLQGDKCNIF	peptide_146	SCLQGDKCNIFANFI
peptide_147	GDKCNIFANFILHDV	peptide_148	NIFANFILHDVNSGL
peptide_149	NFILHDVNSGLTCS	peptide_150	HDVNSGLTCS DLQK
peptide_151	SGLTCS DLQKANTD	peptide_152	CSTD LQKANTDIILG
peptide_153	LQKANTDIILGV	peptide_154	NTDIILGVVNYDLY
peptide_155	ILGVVNYDLYGILG	peptide_156	CVNYDLYGILGQIF
peptide_157	DLYGILGQIFVEVN	peptide_158	ILGQIFVEVNATYY
peptide_159	GIFVEVNATYYNSWQ	peptide_160	EVNATYYNSWQNLLY
peptide_161	TYNSWQNLLYDSNG	peptide_162	SWQNLLYDSNGNLYG
peptide_163	LLYDSNGNLYGFRDY	peptide_164	SNGNLYGFRDYIINR
peptide_165	LYGFRDYIINRTFMI	peptide_166	RDYIINRTFIRSCY
peptide_167	INRTFIRSCYSGRV	peptide_168	FMIRSCYSGRVSAAF
peptide_169	SCYSGRVSAAFHANS	peptide_170	GRVSAAFHANSSEPA
peptide_171	AAFHANSSEPALFR	peptide_172	ANSSEPALFRNIKC
peptide_173	EPALLFRNIKCNYVF	peptide_174	LFRNIKCNYVFNNLS
peptide_175	IKCNYVFNNLSLTRQL	peptide_176	YVFNNLSLTRQLQPIN

peptide_177	NSLTRQLQPINYFDS	peptide_178	RQLQPINYFDSYLGC
peptide_179	PINYFDSYLGCWNA	peptide_180	FDSYLGCWNAYNST
peptide_181	LGCWNAYNSTAISV	peptide_182	VNAYNSTAISVQTC
peptide_183	NSTAISVQTCDLTVG	peptide_184	ISVQTCDLTVGSGYC
peptide_185	TCDLTVGSGYCVDYS	peptide_186	TVGSGYCVDYSKNRR
peptide_187	GYCVDYSKNRRSRGA	peptide_188	DYSKNRRSRGAITG
peptide_189	NRRSRGAITTYRFT	peptide_190	RGAITTYRFTNFEP
peptide_191	TTYRFTNFEPFTVN	peptide_192	RFTNFEPFTVNSVND
peptide_193	FEPFTVNSVNDSELP	peptide_194	TVNSVNDSELPVGG
peptide_195	VNDSELPVGGLEYIQ	peptide_196	LEPVGGLEYIQIPSE
peptide_197	GGLYEQIPSEFTIG	peptide_198	EIQIPSEFTIGNMVE
peptide_199	PSEFTIGNMVEFIQT	peptide_200	TIGNMVEFIQTSSPK
peptide_201	MVEFIQTSSPKVTID	peptide_202	IQTSSPKVTIDCAAF
peptide_203	SPKVTIDCAAFVCGD	peptide_204	TIDCAAFVCGDYAAC
peptide_205	AAFVCGDYAACKSQL	peptide_206	CGDYAACKSQLVEYG
peptide_207	AACKSQLVEYGSFCD	peptide_208	SQLVEYGSFCDNINA
peptide_209	EYGSFCDNINAILTE	peptide_210	FCDNINAILTEVNEL
peptide_211	INAILTEVNELDDTT	peptide_212	LTEVNELDDTTQLQV
peptide_213	NELDDTTQLQVANSL	peptide_214	DDTTQLQVANSLMNGV
peptide_215	LQVANSLMNGVTLST	peptide_216	NSLMNGVTLSTKLKD
peptide_217	NGVTLSTKLKDG VNF	peptide_218	LSTKLKDG VNFVDD
peptide_219	LKDG VNFVDDINFS	peptide_220	VNFVDDINFSVPLG
peptide_221	VDDINFSVPLGCLGS	peptide_222	NFSVPLGCLGSECSK
peptide_223	VLGCLGSECSKASSR	peptide_224	LGSECSKASSRSAIE
peptide_225	CSKASSRSAIEDLLF	peptide_226	SSRSAIEDLLFDKVK
peptide_227	AIEDLLFDKVKLSDV	peptide_228	LLFDKVKLSDVGFVE
peptide_229	KVKLSDVGFVEAYNN	peptide_230	SDVGFVEAYNNCTGG
peptide_231	FVEAYNNCTGGAEIR	peptide_232	YNNCTGGAEIRDLIC
peptide_233	TGGAEIRDLICVQSY	peptide_234	EIRDLICVQSYKGIK
peptide_235	LICVQSYKGIKVLPP	peptide_236	QSYKGIKVLPLLSE
peptide_237	GIKVLPLLSENQIS	peptide_238	LPPLLSENQISGYTL
peptide_239	LSENQISGYTLAATS	peptide_240	QISGYTLAATSASLF

peptide_241	YTLAATSASLFPPWT	peptide_242	ATSASLFPPWTAAG
peptide_243	SLFPPWTAAGVPFY	peptide_244	PWTAAGVPFYLNQ
peptide_245	AAGVPFYLNQYRIN	peptide_246	PFYLNQYRINGLGV
peptide_247	NVQYRINGLGVTMDV	peptide_248	RINGLGVTMDVLSQN
peptide_249	LGVTMDVLSQNQKLI	peptide_250	MDVLSQNQKLIANAF
peptide_251	SQNQKLIANAFNNAL	peptide_252	KLIANAFNNALYAIQ
peptide_253	NAFNNALYAIQEGFD	peptide_254	NALYAIQEGFDATNS
peptide_255	AIQEGFDATNSALVK	peptide_256	GFDATNSALVKIQAV
peptide_257	TNSALVKIQAVNAN	peptide_258	LVKIQAVNANAEL
peptide_259	QAVVNANAELNNLL	peptide_260	NANAELNNLLQQLS
peptide_261	EALNNLLQQLSNRFG	peptide_262	NLLQQLSNRFGAISA
peptide_263	QLSNRFGAISASLQE	peptide_264	RFGAISASLQEILSR
peptide_265	ISASLQEILSRLDAL	peptide_266	LQEILSRLDALEAEA
peptide_267	LSRLDALEAEAQIDR	peptide_268	DALEAEAQIDRLING
peptide_269	AEAQIDRLINGRLTA	peptide_270	IDRLINGRLTALNAY
peptide_271	INGRLTALNAYVSQQ	peptide_272	LTALNAYVSQQLSDS
peptide_273	NAYVSQQLSDSLTK	peptide_274	SQQLSDSLTKFSAA
peptide_275	SDSLTKFSAAQAME	peptide_276	LVKFSAAQAMEKVNE
peptide_277	SAAQAMEKVNECVKS	peptide_278	AMEKVNECVKSQSSR
peptide_279	VNECVKSQSSRINFC	peptide_280	VKSQSSRINFCGNGN
peptide_281	SSRINFCGNGNHIIS	peptide_282	NFCGNGNHIISLVQN
peptide_283	NGNHIISLVQNAPYG	peptide_284	IISLVQNAPYGLYFI
peptide_285	VQNAPYGLYFIHFSY	peptide_286	PYGLYFIHFSVPTK
peptide_287	YFIHFSVPTKYVTA	peptide_288	FSVPTKYVTARVSP
peptide_289	PTKYVTARVSPGLCI	peptide_290	VTARVSPGLCIAGDR
peptide_291	VSPGLCIAGDRGIAP	peptide_292	LCIAGDRGIAPKSGY
peptide_293	GDRGIAPKSGYFVNV	peptide_294	IAPKSGYFVNVNNTW
peptide_295	SGYFVNVNNTWMTG	peptide_296	VNVNNTWMTGSGYY
peptide_297	NTWMTGSGYYYPEP	peptide_298	YTGSGYYYPEPITEN
peptide_299	GYYYPEPITENNVW	peptide_300	PEPITENNVWMSTC
peptide_301	TENNVWMSTCAVNY	peptide_302	VVMSTCAVNYTKAP
peptide_303	STCAVNYTKAPYVML	peptide_304	VNYTKAPYVMLNTSI

peptide_305	KAPYVMLNTSIPNLP	peptide_306	VMLNTSIPNLPDFKE
peptide_307	TSIPNLPDFKEELDQ	peptide_308	NLPDFKEELDQWFKN
peptide_309	FKEELDQWFKNQTSV	peptide_310	LDQWFKNQTSVAPDL
peptide_311	FKNQTSVAPDLSLDY	peptide_312	TSVAPDLSLDYINVT
peptide_313	PDLSLDYINVTFLDL	peptide_314	LDYINVTFLDLQVEM
peptide_315	NVTFLDLQVEMNRLQ	peptide_316	LDLQVEMNRLQEAIK
peptide_317	VEMNRLQEAIKVLNQ	peptide_318	RLQEAIKVLNQSYIN
peptide_319	AIKVLNQSYINLKDI	peptide_320	LNQSYINLKDIGTYE
peptide_321	YINLKDIGTYEYVVK	peptide_322	KDIGTYEYVVKWPWY
peptide_323	TYEYVVKWPWYVWLL	peptide_324	YVVKWPWYVWLLICLA
peptide_325	PWYVWLLICLAGVAM	peptide_326	WLLICLAGVAMLVLL
peptide_327	CLAGVAMLVLLFFIC	peptide_328	VAMLVLLFFICCCTG
peptide_329	VLLFFICCCTGCGTS	peptide_330	FICCCTGCGTSCFKK
peptide_331	CTGCGTSCFKKCGGC	peptide_332	GTSCFKKCGGCCDDY
peptide_333	FKKCGGCCDDYTG YQ	peptide_334	GGCCDDYTG YQELVI
peptide_335	DDYTG YQELVIKTSH	peptide_336	GYQELVIKTSHDD