

HUMAN MONOCLONAL ANTIBODIES AGAINST SARS-COV-2 NUCLEOCAPSID PROTEIN

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T-019492

Species: Human

Target: SARS-CoV-2 nucleocapsid protein

Applications:

- **Research tool** - western blot, flow cytometry, ELISA, neutralization assays
- **Diagnostics** – antigen detection assay for COVID-19 infection
- **Vaccine development**

Description: Two recombinant fully human monoclonal antibodies that recognize SARS-CoV-2 spike protein (data below).

Related Web Links: [Ellebedy Profile](#); [Ellebedy Lab](#)

| Mab Name | 30 | 10 | 3.33333333 | 1.11111111 | 0.37037037 | 0.12345679 | 0.04115226 | 0.01371742 | 0.00457247 | 0.00152416 | 0.00050805 | 0.00016935 | ug/mL |
|-----------------------|-------|-------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|----------------------|
| 350.174.B.1D09 | 0.123 | 0.07 | 0.054 | 0.048 | 0.046 | 0.045 | 0.044 | 0.046 | 0.048 | 0.044 | 0.044 | 0.046 | Nucleoprotein |
| | 0.122 | 0.067 | 0.053 | 0.047 | 0.045 | 0.047 | 0.057 | 0.045 | 0.044 | 0.046 | 0.045 | 0.046 | |
| 350.174.B.2B12 | 3.008 | 2.854 | 2.718 | 2.64 | 2.449 | 2.001 | 1.297 | 0.591 | 0.212 | 0.085 | 0.055 | 0.051 | |
| | 2.996 | 2.842 | 2.787 | 2.701 | 2.507 | 2.15 | 1.46 | 0.644 | 0.222 | 0.087 | 0.055 | 0.048 | |
| 350.174.B.2D03 | 3.038 | 2.606 | 2.02 | 1.137 | 0.451 | 0.188 | 0.091 | 0.06 | 0.049 | 0.049 | 0.046 | 0.045 | |
| | 2.979 | 2.654 | 2.012 | 1.159 | 0.48 | 0.198 | 0.095 | 0.062 | 0.05 | 0.046 | 0.046 | 0.045 | |

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|-----------------------|-------|-------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------|
| 350.174.B.1D09 | 0.906 | 0.602 | 0.353 | 0.172 | 0.1 | 0.063 | 0.053 | 0.046 | 0.045 | 0.046 | 0.045 | 0.045 | Spike |
| | 0.909 | 0.574 | 0.337 | 0.179 | 0.094 | 0.062 | 0.051 | 0.047 | 0.046 | 0.045 | 0.047 | 0.045 | |
| 350.174.B.2B12 | 0.125 | 0.067 | 0.052 | 0.048 | 0.046 | 0.045 | 0.047 | 0.049 | 0.045 | 0.045 | 0.044 | 0.045 | |
| | 0.125 | 0.067 | 0.052 | 0.047 | 0.047 | 0.046 | 0.045 | 0.045 | 0.045 | 0.046 | 0.045 | 0.045 | |
| 350.174.B.2D03 | 0.085 | 0.057 | 0.049 | 0.046 | 0.044 | 0.044 | 0.045 | 0.045 | 0.045 | 0.046 | 0.047 | 0.047 | |
| | 0.087 | 0.055 | 0.05 | 0.046 | 0.044 | 0.045 | 0.046 | 0.045 | 0.046 | 0.047 | 0.046 | 0.048 | |

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|-----------------------|-------|-------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 350.174.B.1D09 | 0.137 | 0.07 | 0.052 | 0.046 | 0.044 | 0.042 | 0.042 | 0.042 | 0.045 | 0.042 | 0.041 | 0.045 | BSA |
| | 0.13 | 0.069 | 0.052 | 0.045 | 0.044 | 0.043 | 0.044 | 0.043 | 0.045 | 0.042 | 0.043 | 0.043 | |
| 350.174.B.2B12 | 0.123 | 0.064 | 0.05 | 0.047 | 0.044 | 0.043 | 0.044 | 0.043 | 0.044 | 0.045 | 0.044 | 0.044 | |
| | 0.128 | 0.066 | 0.05 | 0.048 | 0.046 | 0.044 | 0.045 | 0.046 | 0.044 | 0.047 | 0.045 | 0.046 | |
| 350.174.B.2D03 | 0.081 | 0.053 | 0.046 | 0.044 | 0.043 | 0.042 | 0.043 | 0.044 | 0.043 | 0.044 | 0.044 | 0.047 | |
| | 0.082 | 0.052 | 0.046 | 0.045 | 0.061 | 0.045 | 0.043 | 0.046 | 0.042 | 0.043 | 0.043 | 0.043 | |