

Highlights

- Older adults vaccinated with CoronaVac or ChAdOx-1 showed increased anti-SARS-CoV-2 IgG levels.
- ChAdOx-1 induced higher IgG titers and greater expansion of all monocyte subtypes.
- ChAdOx-1 was associated with a more pro-inflammatory cytokine profile (elevated IL-6/IL-10 and TNF- α /IL-10 ratios).
- CoronaVac promoted a higher post-vaccination IFN- γ response.
- Both vaccines modulated monocyte subsets and systemic inflammation differently in older adults.