Recombinant Hendra virus glycoprotein G Protein, Sheep Fc tagged

Cat. No. glycoprotein G-31H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Henrda virus (Henipavirus hendrensae) glycoprotein G (gG), expressed as sheep IgG Fc fusion protein. The Fc-tag has been removed by proteolytic cleavage of the fusion protein.
Species	Hendra virus (Strain/Isolate: HeV/Australia/Bat/2009/Yeppoon Y47a)
Source	HEK293
ProteinLength	71-604aa
Description	Hendra virus (HeV) is a rare zoonotic disease mainly found in Australia and associated with fruit bats of the Pteropus genus. It poses a severe threat to both horses and humans, often resulting in fatal outcomes. The first recorded outbreak of Hendra virus occurred in 1994 in Hendra, Australia, and since then, around 53 incidents have been reported, involving over 70 horses. Most cases are clustered along the northeastern coast of Australia, with seven documented instances of human infection, primarily through close contact with infected horses. Transmission to humans occurs through exposure to bodily fluids or tissues of infected horses, leading to respiratory illness with flu-like symptoms. In severe cases, the infection may progress to encephalitis. Despite its rarity, with only seven confirmed human cases, the mortality rate remains high at 57%. Horses, in turn, contract the virus through contact with infected flying foxes'' urine, droppings, or saliva. However, human-to-human transmission has not been documented. Pteropid bats, including fruit bats, are

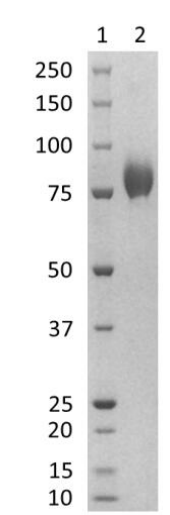
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	natural reservoirs for various zoonotic viruses like Nipah and Ebola. Equivac HeV, produced by Zoetis in Parkville, Victoria, Australia, is the sole commercially available vaccine for horses against Hendra virus. However, there is currently no vaccine available for humans (Wang et al., 2023).
Tag	sheep IgG Fc
Form	Liquid
Molecular Mass	61 kDa
Storage	Short Term Storage: -80 centigrade Long Term Storage: -80 centigrade Can be frozen, but avoid multiple freeze-thaw cycles.
Storage Buffer	DPBS buffer
Concentration	0.96 mg/mL

GENE INFORMATION

Official Symbol	G
Synonyms	G; glycoprotein G

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