



# Certificate of Analysis

## Semaphorin-4D/SEMA4D Protein, Mouse (HEK293, Fc)

Cat. No.:	HY-P72478
Batch No.:	262267
Species:	Mouse
Source:	HEK293
Tag:	C-hFc
Accession:	009126 (F24-M711)
Gene ID:	20354
Molecular Weight:	100-130 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥95.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	<1 EU/μg
Biological Activity	Measured in a cell proliferation assay using MDA-MB-231 cells. The ED <sub>50</sub> this effect is 0.4301 μg/mL, corresponding to a specific activity is 2.33×10 <sup>3</sup> units/mg.	0.4301 μg/mL
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).	
Storage & Stability	Stored at -20°C. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.	
Shipping	Room temperature in continental US; may vary elsewhere.	

**Caution: Product has not been fully validated for medical applications. For research use only.**

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