

CD47 Protein, Human (HEK293, Fc)

Cat. No.:	HY-P7335
Synonyms:	rHuCD47, Fc Chimera; MER6; IAP; OA3
Species:	Human
Source:	HEK293
Accession:	Q08722 (Q19-P139)
Gene ID:	961
Molecular Weight:	Approximately 58.0 kDa.

PROPERTIES

AA Sequence	<p> Q L L F N K T K S V E F T F C N D T V V I P C F V T N M E A Q N T T E V Y V K W K F K G R D I Y T F D G A L N K S T V P T D F S S A K I E V S Q L L K G D A S L K M D K S D A V S H T G N Y T C E V T E L T R E G E T I I E L K Y R V V S W F S P </p>
Biological Activity	2 µg/mL (100 µL/well) of immobilized recombinant human SIRPa-His can bind human CD47-Fc with a linear range of 0.25-185 ng/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against PBS.
Endotoxin Level	<0.2 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ 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 for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Targeting CD47 is in the spotlight of cancer immunotherapy. Blocking CD47 triggers the recognition and elimination of cancer cells by the innate immunity. The CD47/SIRP- α axis has been established as an important regulator of innate anti-cancer immunity, with many if not all malignancies overexpressing the receptor CD47 that binds to phagocyte-expressed SIRP- α ^[1] .
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REFERENCES

[1]. Huang Y, et al. Targeting CD47: the achievements and concerns of current studies on cancer immunotherapy. J Thorac Dis. 2017 Feb;9(2):E168-E174.

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

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