

Recombinant Human CD66e Protein

Catalog #	Source	Reactivity	Applications
CRP2662	Human cells	Human	E, WB, SDS-PAGE, MS

Description	Recombinant Human CD66e Protein is produced by mammalian expression system and the target gene encoding Lys35-Ala685 is expressed with a Fc tag at the C-terminus.
Form	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
Gene Symbol	CEACAM5
Alternative Names	CEA; Carcinoembryonic antigen-related cell adhesion molecule 5; Carcinoembryonic antigen; CEA; Meconium antigen 100; CD66e
Entrez Gene	1048 (Human)
SwissProt	P06731 (Human)
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Chemical Structure	<p>KLTIESTPFN VAEGKEVLLL VHNLPQHLFG YSWYKGERVD GNRQIIGYVI GTQQATPGPA</p> <p>YSGREIIPN ASLLIQNIIQ NDTGFYTLHV IKSDLVNEEA TGQFRVYPEL PKPSISSNNS</p> <p>KPVEDKDAVA FTCEPETQDA TYLWWVNNQS LPVSPRLQLS NGNRTLTLFN VTRNDTASYK</p> <p>CETQNPVSAR RSDSVILNVL YGPDAPTISP LNTSYRSGEN LNLSCHAASN PPAQYSWFFVN</p> <p>GTFQQSTQEL FIPNITVNNS GSYTCQAHNS DTGLNRRTVT TITVYAEPK PFITSNNSNP</p> <p>VEDEDAVALT CEPEIQNTTY LWWVNNQSLP VSPRLQLSND NRTLTLISVT RNDVGPYECG</p> <p>IQNELSVDHS DPVILNVLYG PDDPTISPSY TYRPGVNLS LSCHAASNPP AQYSWLIDGN</p> <p>IQQHTQELFI SNITEKNSGL YTCQANNSAS GHSRTTVKTI TVSAELPKPS ISSNNSKPVE</p> <p>DKDAVAFTCE PEAQNTTYLW WVNGQSLPVS PRLQLSNGNR TLTLFNVTRN DARAYVCGIQ</p> <p>NSVSANRSDP VTLDVLYGPD TPIISPPDSS YLSGANLNLS CHSASNPSQ YSWRINGIPQ</p> <p>QHTQVLFIK ITPNNGTYA CFVSNLATGR NNSIVKSITV SASGTSPGLS AVDDIEGRMD</p>

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

EPKSCDKTHT CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF
NWYVDGVEVH NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPAIEKT
ISKAKGQPRE PQVYTLPPSR EEMTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP
PVLDSGDGFF LYSKLTVDKS RWQQGNVFSC SVMHEALHNNH YTQKSLSLSP GK

Quality Control

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

Directions for Use

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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