

Recombinant Human CD33 Protein

| Catalog # | Source | Reactivity | Applications |
|-----------|-------------|------------|---------------------|
| CRP1228 | Human cells | Human | E, WB, SDS-PAGE, MS |

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|---------------------------|---|
| Description | Recombinant Human CD33 Protein is produced by our Mammalian expression system and the target gene encoding Asp18-His259 is expressed with a Fc, 6His tag at the C-terminus. |
| Form | Lyophilized from a 0.2 μ M filtered solution of 20mM PB, 150mM NaCl, 2mM EDTA, pH 7.2 |
| Gene Symbol | CD33 |
| Alternative Names | SIGLEC3; Myeloid cell surface antigen CD33; Sialic acid-binding Ig-like lectin 3; Siglec-3; gp67; CD33 |
| Entrez Gene | 945 (Human) |
| SwissProt | P20138 (Human) |
| Purity | Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE. |
| Chemical Structure | DPNFWLQVQE SVTVQEGLCV LVPCTFFHPI PYYDKNSPVH GYWFREGAII SGDSPVATNK LDQEVQEETQ GRFRLLDGDS RNNCSLSIVD ARRRDNGSYF FRMERGSTKY SYKSPQLSVH VTDLTHRPKI LIPGTLEPGH SKNLTCSVSW ACEQGTPPIF SWLSAAPTSL GPRTHSSVL IITPRPQDHG TNLTCQVKFA GAGVTTERTI QLNVTYVPQN PTTGIFPGDG SGKQETRAGV VHTSDIEGRM DEPKSCDKTH TCPPCAPEL LGGPSVFLFP PKPKDTLMIS RTPEVTCVVV DVSHEDPEVK FNWYVDGVEV HNAKTKPREE QYNSTYRVVS VLTVLHQDWL NGKEYKCKVS NKALPAPIEK TISKAKGQPR EPQVYTLPPS REEMTKNQVS LTCLVKGFYP SDIAVEWESN GQPENNYKTT PPVLDSGDSF FLYSKLTVDK SRWQQGNVFS CSVMHEALHN HYTQKLSLS PGKVDHHHHH H |
| Quality Control | Endotoxin: Less than 0.1 ng/ μ g (1 IEU/ μ g) as determined by LAL test. |

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

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 1X PBS. 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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