

Product datasheet for **EA200059**

Human CD33 ELISA Kit 1 x 96

Product data:

Product Type:	ELISA Kits
Description:	Human CD33 ELISA Kit 1 x 96
Size:	1 x 96 wells
Format:	8x12 divisible strips
Assay Type:	Sandwich
Assay Length:	3.5 hours incubations; 0.5 hour washing and analyzing samples
Signal:	Colorimetric
Curve Range:	78-5000pg/ml
Sample Type:	Human serum, plasma, tissue homogenates, cell culture supernates, and other biological fluids.
Sample Volume:	100µl
Specificity:	This kit is used for quantitative detection of CD33
Sensitivity:	22pg/ml
Reactivity:	Human
Cross Reactivity:	There is no detectable cross-reactivity with other relevant proteins.
Interference:	No significant interference observed with available related molecules.
Components:	<ul style="list-style-type: none"> • CD33 Monoclonal Antibody Coated 96-well Plate in foil pouch with desiccant 1 plate • Human CD33 Standard (250ng/ml) 0.1 mL • 100x Biotin conjugated CD33 Detection Antibody 0.12 mL • 100x SA-HRP Conjugate 0.12 mL • Assay Buffer 40 mL • Sample Diluent 30 mL • Wash Buffer Concentrate 20X 60 mL • TMB Substrate 12 mL • Stop Solution 12 mL • Plate Sealer 3 pieces



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Background:

CD33 or Siglec-3 (sialic acid binding Ig-like lectin 3) is a transmembrane receptor expressed on cells of myeloid lineage. It binds sialic acids and is a member of the SIGLEC family of lectins. CD33 expression is restricted to early multilineage hematopoietic progenitors, myelomonocytic precursors and more mature myeloid cells, being absent on normal pluripotent hematopoietic stem cells. CD33 can be stimulated by any molecule with sialic acid residues such as glycoproteins or glycolipids, which results in a cascade that inhibits phagocytosis in the cell. About 85–90% of acute myeloid leukemia cases express the CD33 antigen. Circulating CD33 (cCD33) can be detected in the plasma from patients with leukemias, and cCD33 levels may have clinical implication such as predictive and prognostic value in these patients.

Gene Symbol:

CD33

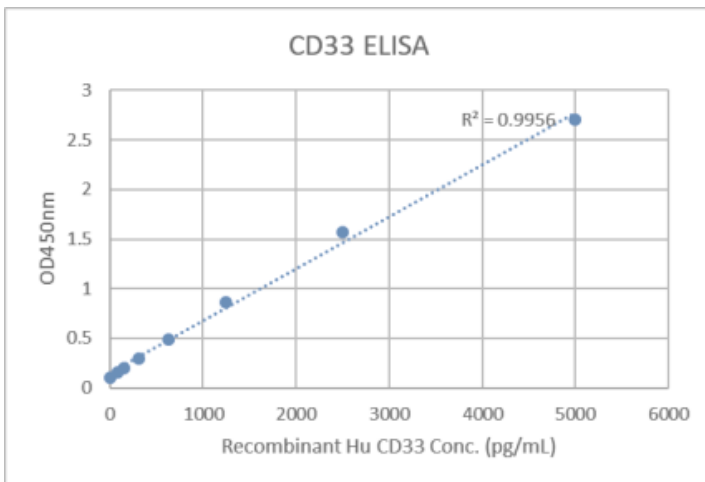
Gene ID:

945

Standard Curve:

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Data image of Human CD33 ELISA Kit.

Product images:


Data image of Human CD33 ELISA Kit.