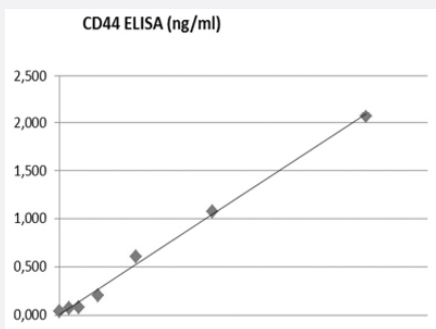


CD44 (Human) ELISA Kit

Catalog # KA3852

Size 1 Kit

Applications



The standard curve is for the purpose of demonstration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description

CD44 (Human) ELISA Kit is a solid phase sandwich ELISA for the in-vitro qualitative and quantitative determination of soluble CD44 (CD44/phagocytic glycoprotein-1/Pgp-1) in supernatants, buffered solutions or serum and plasma samples. This assay will recognise both natural and recombinant human CD44.

Suitable Sample

Cell Culture Supernatant, Human Plasma, Serum or other biological samples.

Sample Volume

100 uL

Label

HRP-conjugated

Detection Method

Colorimetric

Assay Type

Qualitative and Quantitative

Calibration Range

0.31 to 10 ng/mL

Limit of Detection

0.113 ng/mL

Reactivity

Human

Regulation Status

For research use only (RUO)

Quality Control Testing

Standard curve

The standard curve is for the purpose of demonstration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Storage Instruction

Store the kit at 4°C.

Applications

- Quantification

Gene Info — CD44

Entrez GeneID

[960](#)

Gene Name

CD44

Gene Alias

CDW44, CSPG8, ECMR-III, HCELL, IN, LHR, MC56, MDU2, MDU3, MGC10468, MIC4, MUTCH-I, Pgp1

Gene Description

CD44 molecule (Indian blood group)

Omim ID

[107269](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

The protein encoded by this gene is a cell-surface glycoprotein involved in cell-cell interactions, cell adhesion and migration. It is a receptor for hyaluronic acid (HA) and can also interact with other ligands, such as osteopontin, collagens, and matrix metalloproteinases (MMPs). This protein participates in a wide variety of cellular functions including lymphocyte activation, recirculation and homing, hematopoiesis, and tumor metastasis. Transcripts for this gene undergo complex alternative splicing that results in many functionally distinct isoforms, however, the full length nature of some of these variants has not been determined. Alternative splicing is the basis for the structural and functional diversity of this protein, and may be related to tumor metastasis. [provided by RefSeq]

Other Designations

CD44 antigen|CD44 antigen (homing function and Indian blood group system)|CDW44 antigen|G P90 lymphocyte homing/adhesion receptor|Hermes antigen|antigen gp90 homing receptor|cell adhesion molecule|cell surface glycoprotein CD44|chondroitin sulfate proteoglycan

Publication Reference

- [Label-free fiber-optic spherical tip biosensor to enable picomolar-level detection of CD44 protein.](#)

Aliya Bekmurzayeva, Zhannat Ashikbayeva, Zhuldyz Myrkhiyeva, Aigerim Nugmanova, Madina Shaimerdenova, Takhmina Ayupova, Daniele Tosi.

Scientific Reports 2021 Oct; 11(1):19583.

Application: Quant, Human, Human serum

Pathway

- [ECM-receptor interaction](#)
- [Hematopoietic cell lineage](#)

Disease

- [Arthritis](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Craniofacial Abnormalities](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Heart Defects](#)
- [Hepatitis B](#)
- [Kidney Failure](#)
- [Mouth Abnormalities](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)

- [Ovarian Neoplasms](#)