Product datasheet

Human CD44var ELISA Kit (v5) ab119518

1 图像

概述

产品名称 人CD44var ELISA试剂盒(v5)

检测方法 Colorimetric

精确度

批次内

样品	n	Mean	SD	CV%
Overall	8			3.6%

批次间

样品	n	Mean	SD	CV%
Overall	8			5.8%

样品类型 Cell culture supernatant, Urine, Serum, Plasma

检测类型 Sandwich (quantitative)

灵敏度 0.14 ng/ml

范围 0.31 ng/ml - 10 ng/ml

回收率 92 %

特定样本回收率

样品类型	平均%	范围
Serum	92	84% - 100%

实验步骤 Multiple steps standard assay

种属反应性 **与反应:** Human

产品概述 Abcam's CD44var (v5) Human in vitro ELISA (Enzyme-Linked Immunosorbent Assay) kit is designed for accurate quantitative measurement of Human CD44var (v5) concentrations in Cell culture supernatant, serum and plasma (EDTA, citrate, heparin), amniotic fluid and urine.

CD44var (v5) specific antibodies have been precoated onto 96-well plates. Standards and test samples are added to the wells, along with a CD44var (v5) HRP-conjugated detection antibody and the microplate is then incubated at room temperature. After the removal of unbound proteins by washing, TMB is added and catalyzed by HRP to produce a blue color product that changes to yellow after addition of an acidic stop solution. The density of yellow coloration is directly

proportional to the CD44var (v5) amount of sample captured in plate.

经测试应用 **适用于:** Sandwich ELISA

平台 Microplate

性能

存放说明 Store at +4°C. Please refer to protocols.

组件	1 x 96 tests
20X Assay Buffer Concentrate	1 x 5ml
20X Wash Buffer Concentrate	1 x 50ml
Adhesive Films	2 units
HRP-Conjugate anti-Human CD44var (v5) monoclonal antibody	2 vials
Human CD44var (v5) Standard Lyophilized (20 ng/mL on reconstitution)	2 vials
Microplate coated with monoclonal anti-Human CD44var (v5) antibodies (12 x 8 wells)	1 unit
Sample Diluent	1 x 50ml
Stop Solution (1M Phosphoric acid)	1 x 15ml
TMB Substrate Solution	1 x 15ml

功能 Receptor for hyaluronic acid (HA). Mediates cell-cell and cell-matrix interactions through its affinity for HA, and possibly also through its affinity for other ligands such as osteopontin, collagens, and matrix metalloproteinases (MMPs). Adhesion with HA plays an important role in cell migration, tumor growth and progression. Also involved in lymphocyte activation, recirculation and homing, and in hematopoiesis. Altered expression or dysfunction causes numerous pathogenic phenotypes. Great protein heterogeneity due to numerous alternative splicing and post-translational modification events.

组织特异性 Isoform 10 (epithelial isoform) is expressed by cells of epithelium and highly expressed by carcinomas. Expression is repressed in neuroblastoma cells.

序列相似性 Contains 1 Link domain.

结构域 The lectin-like LINK domain is responsible for hyaluronan binding.

翻译后修饰 Proteolytically cleaved in the extracellular matrix by specific proteinases (possibly MMPs) in several cell lines and tumors.
N-glycosylated.
O-glycosylated; contains more-or-less-sulfated chondroitin sulfate glycans, whose number may affect the accessibility of specific proteinases to their cleavage site(s).
Phosphorylated; activation of PKC results in the dephosphorylation of Ser-706 (constitutive phosphorylation site), and the phosphorylation of Ser-672.

细胞定位 Membrane.

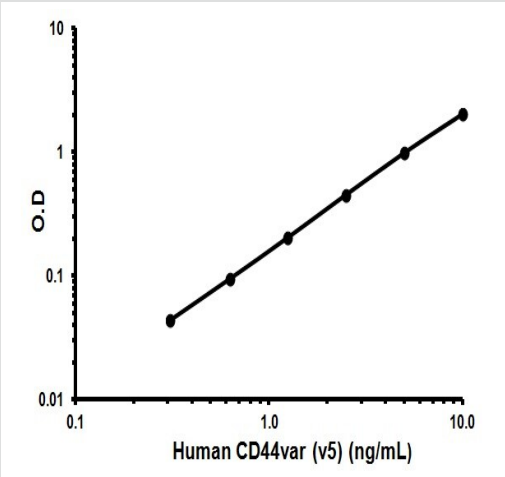
应用

The Abpromise guarantee **Abpromise™承诺保证使用ab119518于以下的经测试应用**

"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Sandwich ELISA		Use at an assay dependent concentration.

图片



Typical Standard Curve

Representative Standard Curve using ab119518.

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