

Human DCIR/CLEC4A/CLECSF6 ELISA Kit | DCIR/CLEC4A/CLECSF6 elisa kit

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CATALOG #
AAA258428

REACTIVITY
Human

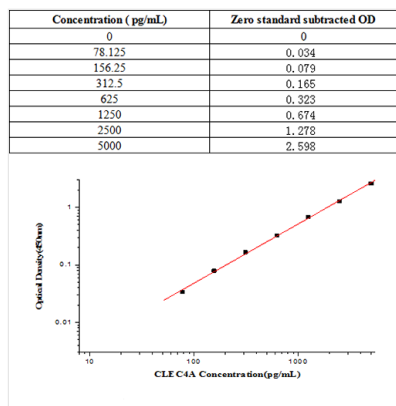
PRODUCT SYNONYMS

DCIR/CLEC4A/CLECSF6; Human DCIR/CLEC4A/CLECSF6 ELISA Kit; CLEC4A ELISA Kit; Human; C-type lectin domain family 4 member A; CD367 ELISA Kit; CLECSF6 ELISA Kit; DCIR ELISA Kit; DDB27 ELISA Kit; HDCGC13P ELISA Kit; LLIR ELISA Kit; DCIR/CLEC4A/CLECSF6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	For the quantitative determination of Human DCIR/CLEC4A/CLECSF6 concentration in cell lysate.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Lysate
Detection Range	78.125-5000pg/mL
Sensitivity	13.18pg/mL
Conjugation	HRP
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

IMAGES



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for DCIR/CLEC4A/CLECSF6 elisa kit	This CLEC4A ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human CLEC4A protein in Lysate. It contains recombinant Human CLEC4A, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: Dendritic cell immunoreceptor (DCIR), also known as C-type lectin domain family 4 member A (CLEC4A), C-type lectin superfamily member 6 (CLECSF6), is a single-pass type II C-type lectin receptor expressed mainly in dendritic cells (DCs), which is a negative regulator of DC expansion and has a crucial role in maintaining the homeostasis of the immune system. The Dectin-2 family of C-type lectins that includes Dectin-2, BDCA-2, DCIR, DCAR, Clecsf8 and Mincle. These type II receptors contain a single extracellular carbohydrate recognition domain and have diverse functions in both immunity and homeostasis. DCIR is the only member of the family which contains a cytoplasmic signalling motif and has been shown to act as an inhibitory receptor, while BDCA-2, Dectin-2, DCAR and Mincle all associate with FcRgamma chain to induce cellular activation, including phagocytosis and cytokine production. Dectin-2 and Mincle have been shown to act as pattern recognition receptors for fungi, while DCIR acts as an attachment factor for HIV. In addition to pathogen recognition, DCIR has been shown to be pivotal in preventing autoimmune disease by controlling dendritic cell proliferation. DCIR expressed on antigen presenting cells and granulocytes and acts as an inhibitory receptor via an intracellular immunoreceptor tyrosine-based inhibitory motif (ITIM). It may also be involved via its ITIM motif in the inhibition of B-cell-receptor-mediated calcium mobilization and protein tyrosine phosphorylation. Additionally, DCIR can participate in the capture of HIV-1 and promote infection in trans and in cis of autologous CD4(+) T cells from human immature monocyte-derived DCs. DCIR acts as a ligand for HIV-1 and is involved in events leading to productive virus infection.
References	Kanazawa N, et al. (2004) Signaling and immune regulatory role of the dendritic cell immunoreceptor (DCIR) family lectins: DCIR, DCAR, dectin-2 and BDCA-2. Immunobiology. 209(1-2): 179-90.Fujikado N, et al. (2008) Dcir deficiency causes development of autoimmune diseases in mice due to excess expansion of dendritic cells. Nat Med. 14(2): 176-80. Lambert AA, et al. (2008) The C-type lectin surface receptor DCIR acts as a new attachment factor for HIV-1 in dendritic cells and contributes to trans- and cis-infection pathways. Blood. 112(4): 1299-307. Graham LM, et al. (2009) The Dectin-2 family of C-type lectins in immunity and homeostasis. Cytokine. 48(1-2): 148-55.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/dcir-clec4a-clecsf6/258428>