

---

## CD1C Rabbit pAb

Catalog Number: bs-23496R

Target Protein: CD1C

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), Flow-Cyt (1ug/Test)

Reactivity: Human

Predicted MW: 36 kDa

Entrez Gene: 911

Source: KLH conjugated synthetic peptide derived from human CD1C: 201-300/333.

Purification: affinity purified by Protein A

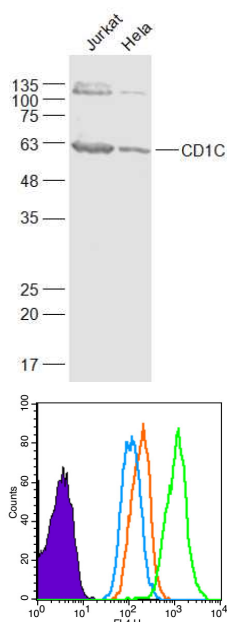
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** This gene encodes a member of the CD1 family of transmembrane glycoproteins, which are structurally related to the major histocompatibility complex (MHC) proteins and form heterodimers with beta-2-microglobulin. The CD1 proteins mediate the presentation of primarily lipid and glycolipid antigens of self or microbial origin to T cells. The human genome contains five CD1 family genes organized in a cluster on chromosome 1. The CD1 family members are thought to differ in their cellular localization and specificity for particular lipid ligands. The protein encoded by this gene is broadly distributed throughout the endocytic system via a tyrosine-based motif in the cytoplasmic tail. Alternatively spliced transcript variants of this gene have been observed, but their full-length nature is not known. [provided by RefSeq, Jul 2008]

### VALIDATION IMAGES

---



Sample: Jurkat(Human) Cell Lysate at 30 ug HeLa(Human) Cell Lysate at 30 ug Primary: Anti-CD1C (bs-23496R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 36 kD Observed band size: 61 kD

Blank control (Black line): Molt-4 (Black). Primary Antibody (green line): Rabbit Anti-CD1C antibody (bs-23496R) Dilution: 1µg /10<sup>6</sup> cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-AF647 Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with PBST for 20 min at room temperature. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

## PRODUCT SPECIFIC PUBLICATIONS

[IF=3.412] Xiangfei Meng. et al. Dermal Microvascular Units in Domestic Pigs (*Sus scrofa domestica*): Role as Transdermal Passive Immune Channels. FRONT VET SCI. 2022; 9: 891286 IHC ; Pig . 35548054

[IF=3.412] Xiangfei Meng. et al. Dermal Microvascular Units in Domestic Pigs (*Sus scrofa domestica*): Role as Transdermal Passive Immune Channels. FRONT VET SCI. 2022; 9: 891286 IHC ; Pig . 35548054