bs-1698R **[Primary Antibody]**

ox-LDL Rabbit pAb

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DATASHEET

Host: Rabbit
Isotype: IgG
Clonality: Polyclonal
GeneID: ox-LDL
Target: ox-LDL
Purification: affinity purified by Protein A
Concentration: 1mg/ml
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: Low-density lipoprotein (LDL) is the carrier protein for cholesterol in the blood. LDL binds to its receptor on the capillary walls and thereby mediates the uptake and clearence of cholesterol from the circulation. In atherosclerotic lesions oxidatively modified LDL is found and oxidized LDL is specifically recognized and ingested by macrophages via scavenger receptor A and CD36. Oxidized LDL may be a marker of atherosclerosis but the precise changes in oxidized LDL are not well described. Low-density lipoprotein oxidised with Cu2SO4.

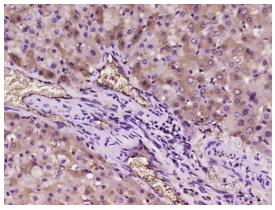
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (2ug/Test)

Reactivity: Human

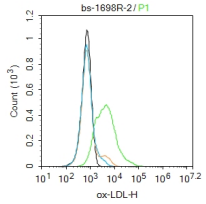
Predicted MW.: 31 kDa

Subcellular Location: Secreted ,Cell membrane

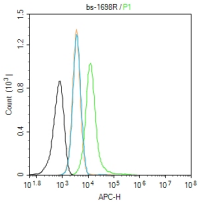
VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (Human liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ox-LDL) Polyclonal Antibody, Unconjugated (bs-1698R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Blank control:HepG2. Primary Antibody (green line): Rabbit Anti-ox-LDL antibody (bs-1698R) Dilution: 2ug/Test; Secondary Antibody : Goat anti-rabbit IgG-FITC Dilution: 0.5ug/Test. Protocol The cells were 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.



Blank control: A431. Primary Antibody (green line): Rabbit Anti-ox-LDL antibody (bs-1698R) Dilution: 3µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF647 Dilution: 3µg /test. Protocol The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at 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.

SELECTED CITATIONS

- **[IF=31.373]** Haikuo Li. et al. Comprehensive single-cell transcriptional profiling defines shared and unique epithelial injury responses during kidney fibrosis. CELL METAB. 2022 Oct;: IF ;Human. 36265491
- **[IF=18.699]** Martinez, Jennifer, et al. "Molecular characterization of LC3-associated phagocytosis reveals distinct roles for Rubicon, NOX2 and autophagy proteins." Nature Cell Biology (2015). ICC ;Mouse. 26098576
- **[IF=7.396]** Takuya Tsumita. et al. The oxidized-LDL/LOX-1 axis in tumor endothelial cells enhances metastasis by recruiting neutrophils and cancer cells. INT J CANCER. 2022 May 24 IF ;Mouse. 35608341
- **[IF=6.706]** Qing Li. et al. Re-Visiting Antioxidant Therapy in Murine Advanced Atherosclerosis with Brussels Chicory, a

Typical Vegetable in Mediterranean Diets. NUTRIENTS. 2023 Jan;15(4):832 IHC ;Mouse. 36839190

- **[IF=4.39]** Wen, Song, et al. "OxLDL-targeted iron oxide nanoparticles for in vivo MRI detection of perivascular carotid collar induced atherosclerotic lesions in ApoE-deficient mice." Journal of Lipid Research 53.5 (2012): 829-838. IHC ;="Mouse". 22393161