bs-13905R **[Primary Antibody]**

Chitinase 3 like protein 2 Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 1117 **SWISS:** Q15782

Target: Chitinase 3 like protein 2

Immunogen: KLH conjugated synthetic peptide derived from human Chitinase 3 like protein 2: 101-200/390.

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: YKL-39 is a 390 amino acid cartilage protein that belongs to the chitinase family of chitin-fragmenting hydrolases. Highly expressed in chondrocytes (cartilage cells) and synoviocytes (fibroblastic cells that line joint cavities), YKL-39 binds glycan structures with high affinity. Although related to bacterial chitinases, YKL-39 lacks the characteristic glutamate active site and, thus, does not have enzymatic chitinase activity. Patients affected with rheumatoid arthritis (RA) have autoimmunity against YKL-39, suggesting that YKL-39 is involved in osteoarthritic and/or rheumatoid joint disease. Additionally, YKL-39 is upregulated in early degenerative cartilage diseases (such as RA) and may be a marker of chondrocyte activation in these autoimmune conditions.

Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ICC/IF (1:100-500)
ELISA (1:5000-10000)

Reactivity: (predicted: Human)

Predicted MW.: 41 kDa

Subcellular Location: Secreted

SELECTED CITATIONS

- **[IF=2.8]** Zhuang Cuicui. et al. Lycopene promoted M2 macrophage polarization via inhibition of NOTCH1-PI3K-mTOR-NF-κB-JMJD3-IRF4 pathway in response to Escherichia coli infection in J744A.1 cells. ARCH MICROBIOL. 2024 Jun;206(6):1-11 WB ;Mouse. 38713385