

bs-12358R**[Primary Antibody]****CHI3L2 Rabbit pAb****BioSS**
ANTIBODIES

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		ICC/IF (1:100-500)
GeneID: 1117	SWISS: Q15782	ELISA (1:5000-10000)
Target: CHI3L2		Reactivity: (predicted: Human)
Immunogen: KLH conjugated synthetic peptide derived from human YKL39/CHI3L2: 121-220/390.		
Purification: affinity purified by Protein A		Predicted MW.: 41 kDa
Concentration: 1mg/ml		Subcellular Location: Secreted
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.		

— SELECTED CITATIONS —

- **[IF=3.253]** Xue Ling. et al. YKL-39 is an independent prognostic factor in gastric adenocarcinoma and is associated with tumor-associated macrophage infiltration and angiogenesis. WORLD J SURG ONCOL. 2022 Dec;20(1):1-9 IF ;Human. 36372883