

bs-2455R**[Primary Antibody]****CLEC7A Rabbit pAb**

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— DATASHEET —**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 64581**SWISS:** Q9BXN2**Target:** CLEC7A**Immunogen:** KLH conjugated synthetic peptide derived from human CLEC7A: 41-140/247. < Extracellular >**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml

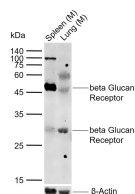
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: This gene encodes a member of the C-type lectin/C-type lectin-like domain (CTL/CTLD) superfamily. The encoded glycoprotein is a small type II membrane receptor with an extracellular C-type lectin-like domain fold and a cytoplasmic domain with an immunoreceptor tyrosine-based activation motif. It functions as a pattern-recognition receptor that recognizes a variety of beta-1,3-linked and beta-1,6-linked glucans from fungi and plants, and in this way plays a role in innate immune response. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. This gene is closely linked to other CTL/CTLD superfamily members on chromosome 12p13 in the natural killer gene complex region. [provided by RefSeq].

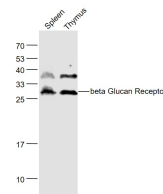
Applications: WB (1:500-2000)**Flow-Cyt** (1ug/Test)**Reactivity:** Human, Mouse, Rat

Predicted
MW.: 28 kDa

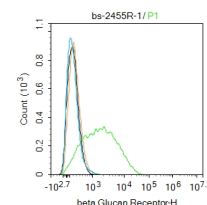
Subcellular
Location: Cell membrane

— VALIDATION IMAGES —

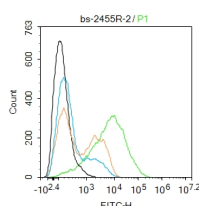
Sample: Lane 1: Mouse Spleen tissue lysates
Lane 2: Mouse Lung tissue lysates Primary: Anti-beta Glucan Receptor (bs-2455R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 28 kDa Observed band size: 28,47 kDa



Sample: Spleen (Mouse) Lysate at 40 ug Thymus (Mouse) Lysate at 40 ug Primary: Anti-beta Glucan Receptor (bs-2455R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 28 kD Observed band size: 28 kD



Blank control: RAW264.7. Primary Antibody (green line): Rabbit Anti-Iba1 antibody (bs-2455R) Dilution: 1ug/Test; Secondary Antibody (white blue line): Goat anti-Rabbit IgG-AF488 Dilution: 0.5ug/Test. Isotype control (orange line): Normal Rabbit IgG 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.



Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Blank control: THP-1. Primary Antibody (green line): Rabbit Anti-beta Glucan Receptor antibody (bs-2455R) Dilution: 2µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-FITC Dilution: 1µg /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.

— SELECTED CITATIONS —

- **[IF=19.227]** Iván Ballasch. et al. Ikzf1 as a novel regulator of microglial homeostasis in inflammation and neurodegeneration. BRAIN BEHAV IMMUN. 2023 Mar;109:144 WB ;Mouse. 36702234
- **[IF=8.3]** Chengcheng Liu. et al. Qi-Huang decoction alleviates DSS-induced colitis with Candida albicans dysbiosis by enhancing innate immune response through Dectin-1-associated signaling. PHYTOMEDICINE. 2025 May;140:156613 WB ;Candida albicans. 40056633
- **[IF=7.7]** Qiping Zhan. et al. Effects of polysaccharide fractions isolated from the pulp of rose laevigata Michx fruit on the foaming and polarization of RAW264.7 macrophage cells. INT J BIOL MACROMOL. 2025 Feb;291:139074 ;Mouse. 39716704
- **[IF=7.3]** Rongrong Jing. et al. Oat β-glucan repairs the epidermal barrier by upregulating the levels of epidermal differentiation, cell-cell junctions, and lipids via Dectin-1. BRIT J PHARMACOL. 2023 Dec;: IHC ;Mouse. 38124222
- **[IF=5.8]** Liu Shuyi. et al. Pseudolaric acid B exerts an antifungal effect and targets SIRT1 to ameliorate inflammation by regulating Nrf2/NF-κB pathways in fungal keratitis. INFLAMMOPHARMACOLOGY. 2023 Dec;:1-14 WB ;Human,Rat. 38150134