

**bs-2527R**

**[ Primary Antibody ]**

## CD163 Rabbit pAb

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### — DATASHEET —

**Host:** Rabbit

**Isotype:** IgG

**Clonality:** Polyclonal

**GeneID:** 9332

**SWISS:** Q86VB7

**Target:** CD163

**Immunogen:** KLH conjugated synthetic peptide derived from human CD163: 1001-1121/1156. < 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:** The protein encoded by this gene is a member of the scavenger receptor cysteine-rich (SRCR) superfamily, and is exclusively expressed in monocytes and macrophages. It functions as an acute phase-regulated receptor involved in the clearance and endocytosis of hemoglobin/haptoglobin complexes by macrophages, and may thereby protect tissues from free hemoglobin-mediated oxidative damage. This protein may also function as an innate immune sensor for bacteria and inducer of local inflammation. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Aug 2011]

**Applications:** WB (1:500-2000)

**IHC-P** (1:100-500)

**IHC-F** (1:100-500)

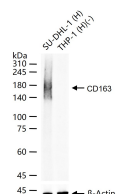
**IF** (1:100-500)

**Reactivity:** Human, Mouse, Rat

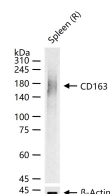
**Predicted MW.:** 130 kDa

**Subcellular Location:** Secreted ,Cell membrane

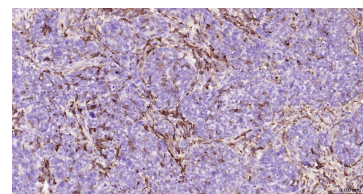
### — VALIDATION IMAGES —



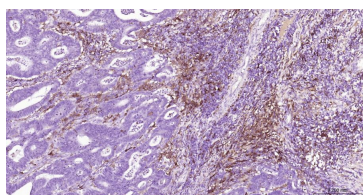
25 ug total protein per lane of various lysates (see on figure) probed with CD163 polyclonal antibody, unconjugated (bs-2527R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



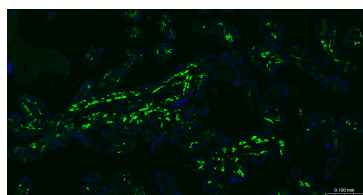
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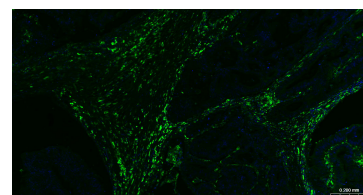
Paraformaldehyde-fixed, paraffin embedded Human Ovarian mucinous carcinoma; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CD163 Polyclonal Antibody, Unconjugated (bs-2527R) at 1:100 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CD163 Polyclonal Antibody, Unconjugated (bs-2527R) at 1:100 overnight at 4°C, followed by



Paraformaldehyde-fixed, paraffin embedded Human Placenta; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CD163 Polyclonal Antibody, Unconjugated (bs-2527R) at 1:200 overnight at 4°C. Followed by conjugated Goat



Paraformaldehyde-fixed, paraffin embedded Human Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CD163 Polyclonal Antibody, Unconjugated (bs-2527R) at 1:200 overnight at 4°C. Followed by conjugated Goat

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

conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

Anti-Rabbit IgG antibody (green, bs-0295G-BF488), DAPI (blue, C02-04002) was used to stain the cell nuclei.

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## — SELECTED CITATIONS —

- **[IF=20.722]** Meng Lin. et al. CRISPR-based in situ engineering tumor cells to reprogram macrophages for effective cancer immunotherapy. Nano Today. 2022 Feb;42:101359 IF ;Mouse. 10.1016/j.nantod.2021.101359
- **[IF=19]** Youyun Zeng. et al. Reactive Oxygen Species-Activated CO Versatile Nanomedicine with Innate Gut Immune and Microbiome Remodeling Effects for Treating Inflammatory Bowel Disease. ADV FUNCT MATER. 2023 Jul;;2304381 IF ;Mouse. 10.1002/adfm.202304381
- **[IF=18.187]** Peng, Liao. et al. Integrating single-cell RNA sequencing with spatial transcriptomics reveals immune landscape for interstitial cystitis. SIGNAL TRANSDUCT TAR. 2022 May;7(1):1-13 IF ;Human. 35589692
- **[IF=18]** Zhuoling Tian. et al. Hydrogen bonding-mediated phase-transition gelatin-based bioadhesives to regulate immune microenvironment for diabetic wound healing. BIOACTIVE MATERIALS. 2025 Jan 2:46:434-447. IF ;Mouse. 39850021
- **[IF=17.1]** Huifang Du. et al. Subcellular Nanobionic Liposome with High Zeta Potential Enhances Intravesical Adhesion and Drug Delivery. ACS NANO. 2024;18(4):3583–3596 IF ;Mouse. 38252681