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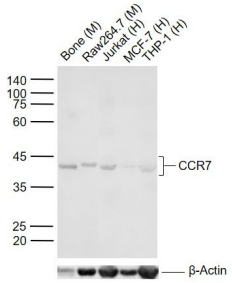
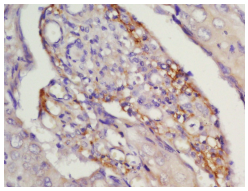
CCR7 Rabbit pAb

Catalog Number:	bs-1305R
Target Protein:	CCR7
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (1μg/Test), ICC/IF (1:100)
Reactivity:	Human, Mouse, Rat (predicted:Dog)
Predicted MW:	42 kDa
Entrez Gene:	1236
Swiss Prot:	P32248
Source:	KLH conjugated synthetic peptide derived from human CCR7: 25-59/379.
Purification:	affinity purified by Protein A
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 G protein-coupled receptor family. This receptor was identified as a gene induced by the Epstein-Barr virus (EBV), and is thought to be a mediator of EBV effects on B lymphocytes. This receptor is expressed in various lymphoid tissues and activates B and T lymphocytes. It has been shown to control the migration of memory T cells to inflamed tissues, as well as stimulate dendritic cell maturation. The chemokine (C-C motif) ligand 19 (CCL19/ECL) has been reported to be a specific ligand of this receptor. [provided by RefSeq, Jul 2008]

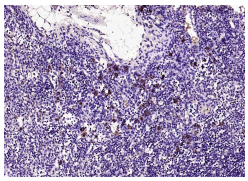
VALIDATION IMAGES



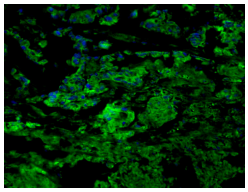
Sample: Lane 1: Mouse Bone tissue lysates Lane 2: Mouse Raw264.7 cell lysates Lane 3: Human Jurkat cell lysates Lane 4: Human MCF-7 cell lysates Lane 5: Human THP-1 cell lysates Primary: Anti-CCR7 (bs-1305R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 42 kDa Observed band size: 42 kDa



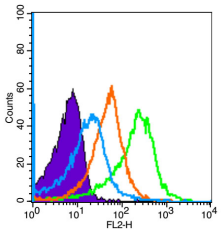
Tissue/cell: human laryngocarcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-CCR7 Polyclonal Antibody, Unconjugated(bs-1305R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



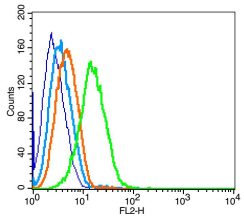
Paraformaldehyde-fixed, paraffin embedded (RAT lymphoid); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CCR7) Polyclonal Antibody, Unconjugated (bs-1305R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Tissue/cell: human gastric tissue;4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-CCR7 Polyclonal Antibody, Unconjugated(bs-1305R) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, FITC conjugated(bs-0295G-FITC)used at 1:200 dilution for 40 minutes at 37°C. DAPI(5ug/ml,blue,C-0033) was used to stain the cell nuclei



Blank control (Black line): Mouse spleen(Black). Primary Antibody (green line): Rabbit Anti-CD4 antibody (bs-1305R-PE) Dilution: 3μg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG-PE. Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE Dilution: 1μg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at room temperature. The cells were then 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: Raji(blue). Primary Antibody:Rabbit Anti-CCR7 antibody(bs-1305R), Dilution: 1μg in 100 μL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG(orange) ,used under the same conditions); Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA. Protocol The cells were fixed with 2% paraformaldehyde (10 min) . Primary antibody (bs-1305R, 1μg /1x10^6 cells) were incubated for 30 min on the ice, followed by 1 X PBS containing 0.5% BSA + 10% goat serum (15 min) to block non-specific protein-protein interactions. Then the Goat Anti-rabbit IgG/PE antibody was added into the blocking buffer mentioned above to react with the primary antibody at 1/200 dilution for 30 min on ice. Acquisition of 20,000 events was performed.

PRODUCT SPECIFIC PUBLICATIONS

[IF=9.3] Gao Dandan. et al. Enhancing Th17 cells drainage through meningeal lymphatic vessels alleviate neuroinflammation after subarachnoid hemorrhage. J NEUROINFLAMM. 2024 Dec;21(1):1-17 IF ; Mouse . 39428510

[IF=8.352] Ye Hea et al. Improved osteointegration by SEW2871-encapsulated multilayers on micro-structured titanium via macrophages recruitment and immunomodulation. Applied Materials Today 20 (2020) 100673 IHC,IF ; Rat/Mouse . 10.1016/j.apmt.2020.100673

[IF=6.354] Hao, Yanan. et al. Gut microbiota-testis axis: FMT improves systemic and testicular micro-environment to increase semen quality in type 1 diabetes. MOL MED. 2022 Dec;28(1):1-17 IF ; Mouse . 35468731

[IF=6.353] Liu Xingdan. et al. Hydroxyapatite composited PEEK with 3D porous surface enhances osteoblast differentiation through mediating NO by macrophage. Regen Biomater. 2021 Dec;: FCM ; Mouse . 10.1093/rb/rbab076

[IF=5.2] Zhu Chun-Yan. et al. EZH2 elicits CD8+ T-cell desert in esophageal squamous cell carcinoma via suppressing CXCL9 and dendritic cells. COMMUN BIOL. 2024 Dec;7(1):1-16 IF ; Human,Mouse . 39702756