

Product Datasheet

CD45 Mouse Monoclonal Antibody (orb500902)

Catalog Number	orb500902
Category	Antibodies
Description	CD45 Mouse Monoclonal Antibody
Target	PTPRC
Clonality	Monoclonal
Species/Host	Mouse
Isotype	IgG1
Conjugation	Unconjugated
Reactivity	Human
Form/Appearance	Liquid
Concentration	1mg/ml
Buffer/Preservatives	0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.
Purification	Affinity purified by Protein G
Immunogen	Recombinant human CD45
UniProt ID	P08575
MW	143 kDa
Tested applications	FC, WB
Dilution range	WB=1:500-1000, Flow-Cyt=0.5ug/Test

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com

Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

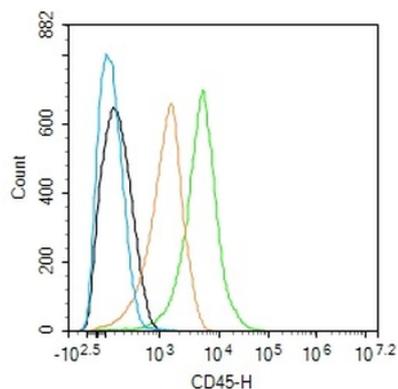
Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713
United States

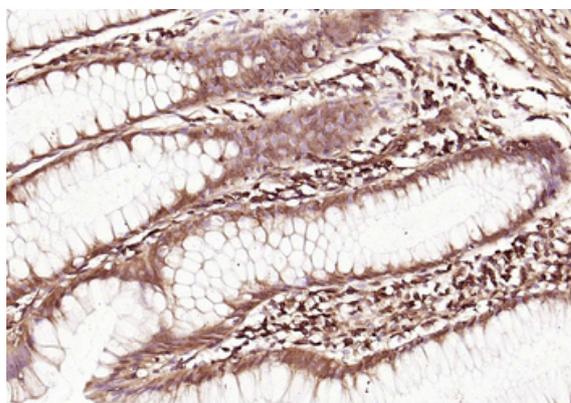
Email: info@biorbyt.com, support@biorbyt.com

Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

Antibody Type	Primary Antibody
Clone Number	14A9
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only



Blank control: U937. Primary Antibody (green line): Mouse Anti-CD45 antibody (orb500902), dilution: 1:50, Secondary Antibody: Goat anti-mouse IgG-FITC, dilution: 0.5 ug/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 20000 events was performed.



Paraformaldehyde-fixed, paraffin embedded (human colon), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (CD45) Monoclonal Antibody, Unconjugated (orb500902) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.

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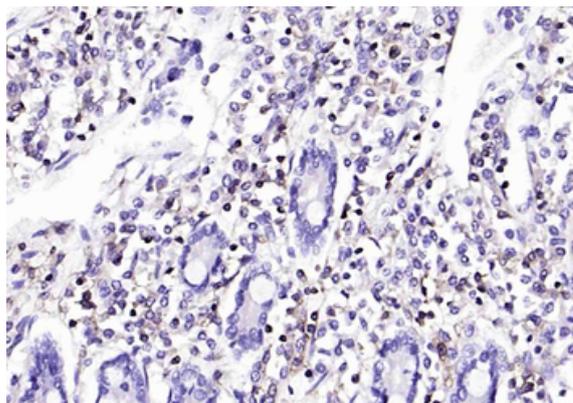
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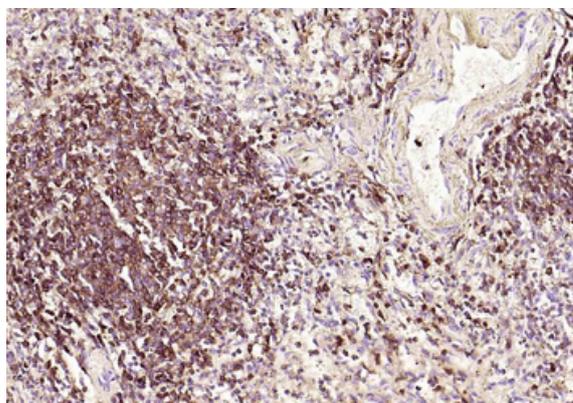
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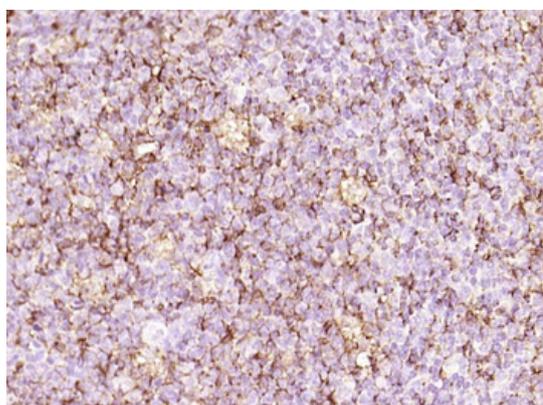
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Paraformaldehyde-fixed, paraffin embedded (Human duodenum), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (CD45) Monoclonal Antibody, Unconjugated (orb500902) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human spleen), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (CD45) Monoclonal Antibody, Unconjugated (orb500902) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human tonsil), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (CD45) Monoclonal Antibody, Unconjugated (orb500902) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.

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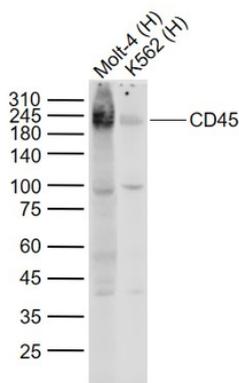
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Sample: Lane 1: Molt-4 (Human) Cell Lysate at 30 ug, Lane 2: K562 (Human) Cell Lysate at 30 ug, Primary: Anti-CD45 (orb500902) at 1/1000 dilution, Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution, Predicted band size: 220 kD, Observed band size: 220 kD.

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