

Anti-CD14 Antibody (7E908)

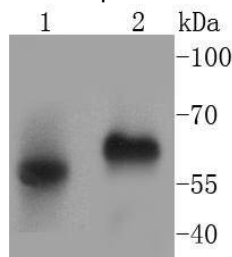
Product Details

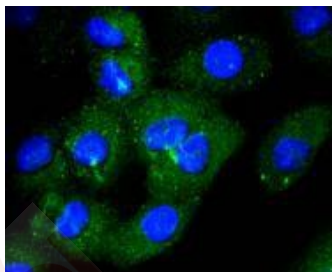
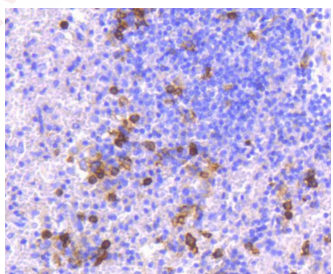
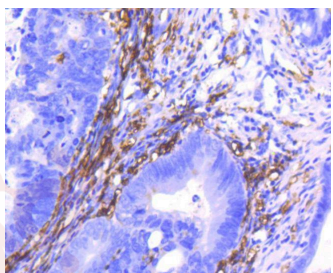
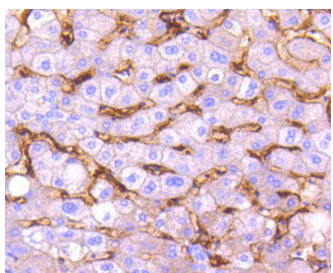
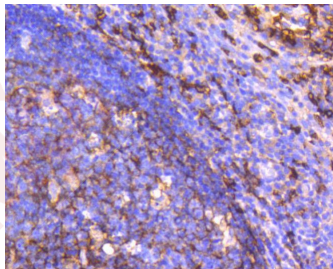
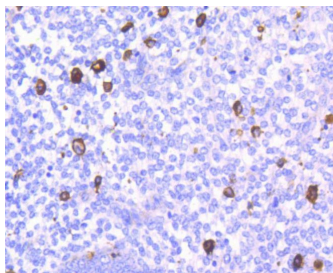
Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 55-65 kDa.
Clone:	7E908
Purification:	ProA affinity purified

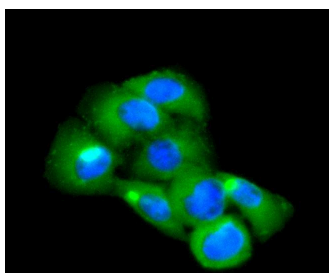
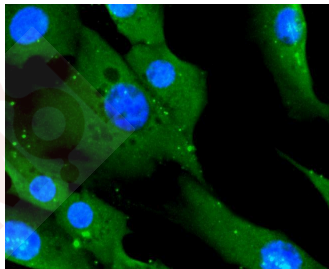
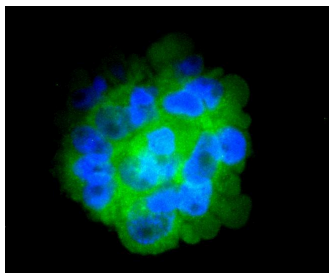
Applications

Verified Activity:

1. Western blot analysis of CD14 on different lysates using anti-CD14 antibody at 1/1,000 dilution. Positive control: Lane 1: Human liver, Lane 2: SW480.
2. Immunohistochemical analysis of paraffin-embedded human uterus tissue using anti-CD14 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-CD14 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-CD14 antibody. Counter stained with hematoxylin.
5. Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-CD14 antibody. Counter stained with hematoxylin.
6. Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-CD14 antibody. Counter stained with hematoxylin.
7. ICC staining CD14 in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
8. ICC staining CD14 in NCCIT cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
9. ICC staining CD14 in NIH/3T3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
10. ICC staining CD14 in LO2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.







Application: ICC,IHC,WB
Recommended WB: 1:1000-2000; IHC: 1:50-200; ICC: 1:50-200

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein
Uniprot ID: P08571
Synonyms: CD14 antigen;CD14 molecule;monocyte differentiation antigen CD14

Research Background

Lipopolysaccharide (LPS) elicits the secretion of mediators and cytokines produced by activated macrophages and monocytes. CD14 is a glycosylphosphatidylinositol (GPI)-anchored protein found on the surfaces of monocytes and polymorphonuclear leukocytes. CD14 functions as a receptor for LPS, resulting in the secretion of various proteins. An important component in the LPS activation of monocytes through the CD14 receptor is the "adapter molecule," lipopolysaccharide binding protein (LBP). There are two forms of CD14, a membrane-associated form (mCD14), and a soluble form (sCD14). mCD14 responds to LPS alone and facilitates the secretion of proteins, while cells not expressing mCD14 fail to respond to LPS. The cells that lack mCD14 respond to LPS/LBP in the presence of sCD14.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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