



Product Datasheet  
**CD14rCP monoclonal antibody (PerCP)**  
Catalogue Code: AGIM0389

## Antibody Data

<b>Product SKU:</b>	AGIM0389	<b>Clone</b>	18D11
<b>Applications:</b>	FC	<b>Conjugate</b>	PerCP
<b>Reactivity:</b>	Human		

## Immunogen Information:

**Host Species:** Mouse

**Isotype:** IgG1

**Storage:** Store at 4°C. Do not freeze. Avoid prolonged exposure to light.

## Background:

CD14 is a 55 kDa GPI-anchored glycoprotein, constitutively expressed on the surface of mature monocytes, macrophages, and neutrophils, where serves as a multifunctional lipopolysaccharide receptor; it is also released to the serum both as a secreted and enzymatically cleaved GPI-anchored form. CD14 binds lipopolysaccharide molecule in a reaction catalyzed by lipopolysaccharide-binding protein (LBP), an acute phase serum protein. The soluble sCD14 is able to discriminate slight structural differences between lipopolysaccharides and is important for neutralization of serum allochthonous lipopolysaccharides by reconstituted lipoprotein particles. CD14 affects allergic, inflammatory and infectious processes.