

DESCRIPTION

Target:	CD206
Target aliases:	MRC1, Mannose Receptor C-Type 1, CLEC13DL, CLEC13D, BA541I19.1, MRC1L1, Macrophage Mannose Receptor 1-Like Protein 1
Fc isotype:	IgG2a
Membrane proteome specificity:	Monospecific for 6,000 membrane proteins tested
Species reactivity:	Human (Others untested)
Extracellular epitope:	Yes
Fc modifications:	C-terminal Avitag ¹ , disabled Fc- γ receptor binding ²
Source:	Recombinant CHO expression; purified by Protein A chromatography
Formulation:	Endotoxin Free PBS pH 7.4, sterile-filtered
Concentration:	1 mg/ml

1. A peptide tag that can be biotinylated in vitro using the biotin ligase enzyme (BirA).
2. Mutated Fc- γ receptor binding site to minimize non-specific antibody binding.

CD206 TARGET INFORMATION

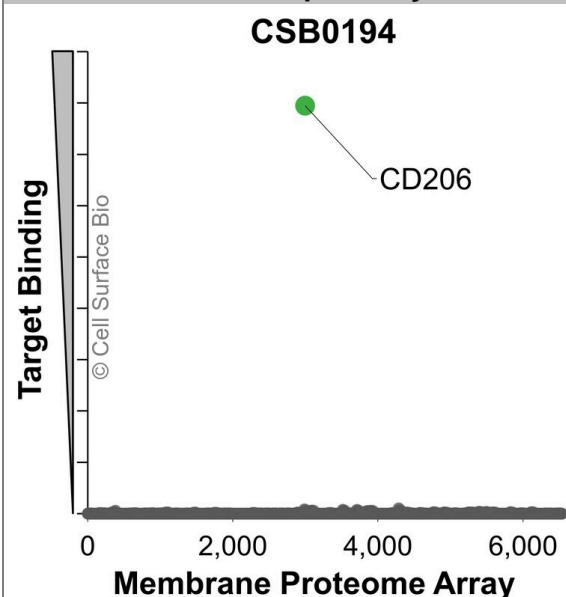
CD206 or Macrophage mannose receptor 1 is a type I transmembrane glycoprotein belonging to the C-type lectin receptor family. The protein contains an N-terminal cysteine-rich domain, a fibronectin type II domain, multiple C-type lectin-like domains, a single transmembrane helix, and a short cytoplasmic tail. CD206 mediates calcium-dependent recognition and endocytosis of glycoproteins bearing terminal mannose, fucose, or N-acetylglucosamine residues and contributes to pathogen uptake and clearance. The receptor is primarily expressed on macrophages and dendritic cells and localizes to the plasma membrane and endosomal compartments. (NCBI Gene: 4360, UniProtKB/Swiss-Prot: P22897) Other names: MRC1, Mannose Receptor C-Type 1, CLEC13DL, CLEC13D, BA541I19.1, MRC1L1, Macrophage Mannose Receptor 1-Like Protein 1

SHIPPING AND STORAGE

Shipping:	Shipped at ambient temperature. Store at 4°C.
Stability & Storage:	Stable for 12 months from date of receipt when stored at 4°C. Avoid repeated freeze-thaw cycles.

VALIDATION DATA

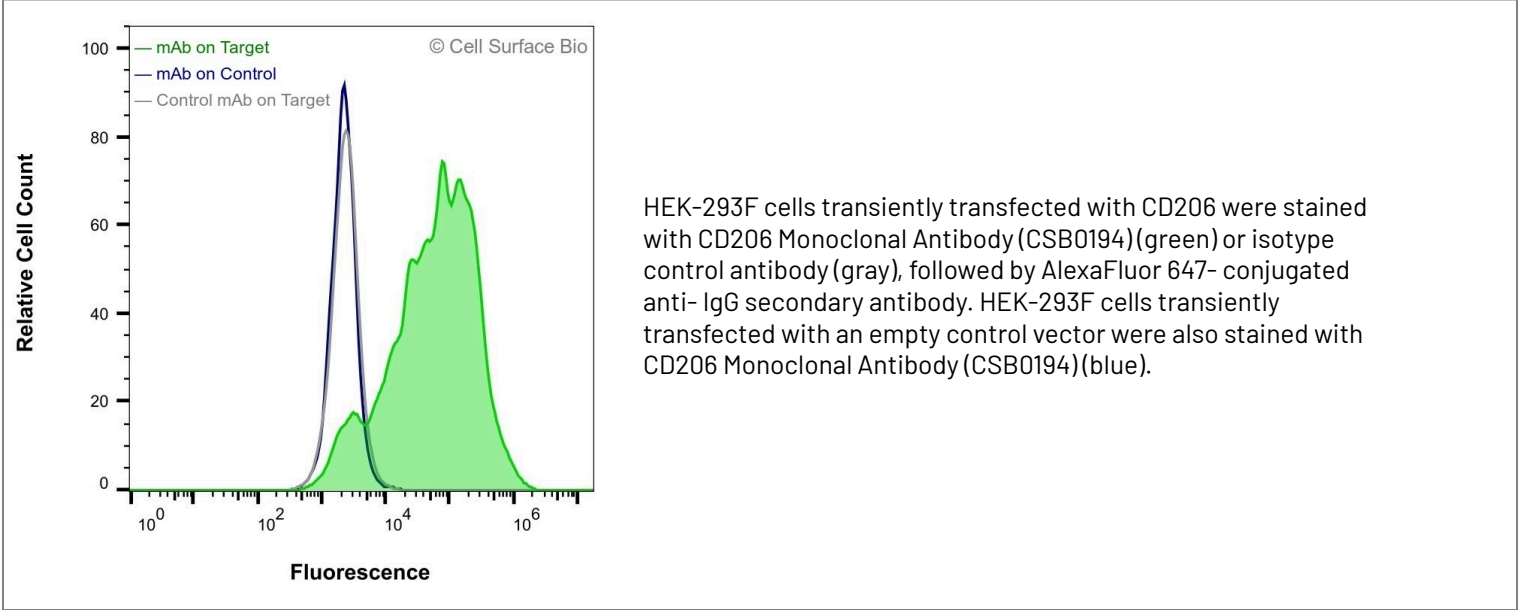
Membrane Proteome Specificity



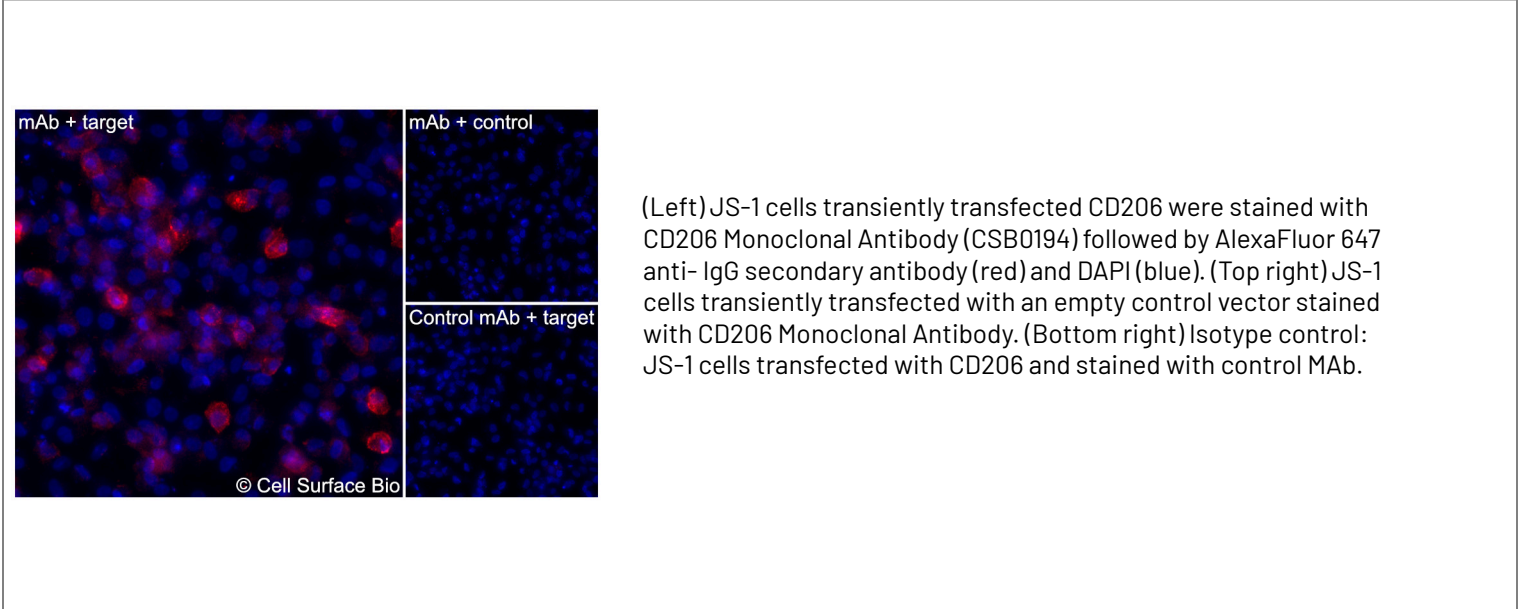
The specificity of CD206 Monoclonal Antibody (CSB0194) was tested on the Membrane Proteome Array™ and shown to be specific for CD206.

The Membrane Proteome Array™ contains 6,000 different human membrane proteins, each expressed in unfixed human cells to ensure native conformation and post-translational modifications. The Membrane Proteome Array™ represents the industry standard for determining the binding specificity of antibodies and other protein ligands.

Applications	Conditions	Recommended concentration
Flow Cytometry, Extracellular	Live, Unpermeabilized	1 µg/ml



Applications	Conditions	Recommended concentration
Immunofluorescence, Extracellular	Fixed 4% paraformaldehyde	1 µg/ml



Applications

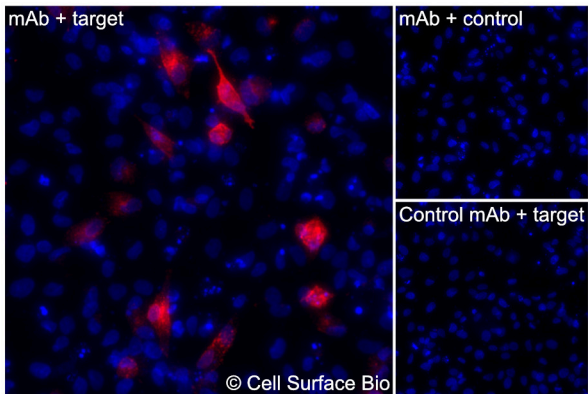
Immunofluorescence, Intracellular

Conditions

Fixed 4% paraformaldehyde,
Permeabilized 0.1% Triton X-100

Recommended concentration

1 µg/ml



(Left) JS-1 cells transiently transfected CD206 were permeabilized and stained with CD206 Monoclonal Antibody (CSB0194) followed by AlexaFluor 647 anti- IgG secondary antibody (red) and DAPI (blue). (Top right) JS-1 cells transiently transfected with an empty control vector stained with CD206 Monoclonal Antibody. (Bottom right) Isotype control: JS-1 cells transfected with {{target}} and stained with control MAb.