

DESCRIPTION

Target:	LILRB3
Target aliases:	LIR-3, ILT5, LIR3, CD85a
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

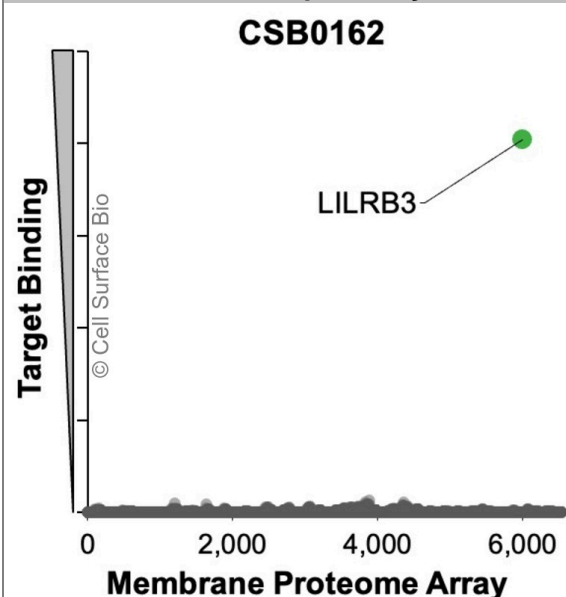
1. A peptide tag that can be biotinylated in vitro using the biotin ligase enzyme (BirA).
2. Mutated Fc- γ receptor binding site to minimize non-specific antibody binding.

LILRB3 TARGET INFORMATION

Leukocyte immunoglobulin-like receptor subfamily B member 3 (LILRB3) belongs to the immunoglobulin superfamily and is part of the LILR cluster located in the leukocyte receptor complex on chromosome 19. It is a transmembrane glycoprotein containing multiple extracellular immunoglobulin-like domains and intracellular immunoreceptor tyrosine-based inhibitory motifs (ITIMs), which enable it to recruit phosphatases and transmit inhibitory signals. LILRB3 is primarily expressed on myeloid cells and is involved in modulating immune responses by dampening cellular activation. Its specific ligands remain incompletely characterized. (NCBI Gene: 11025, UniProtKB/Swiss-Prot: 075022) Other names: LIR-3, ILT5, LIR3, CD85a

SHIPPING AND STORAGE

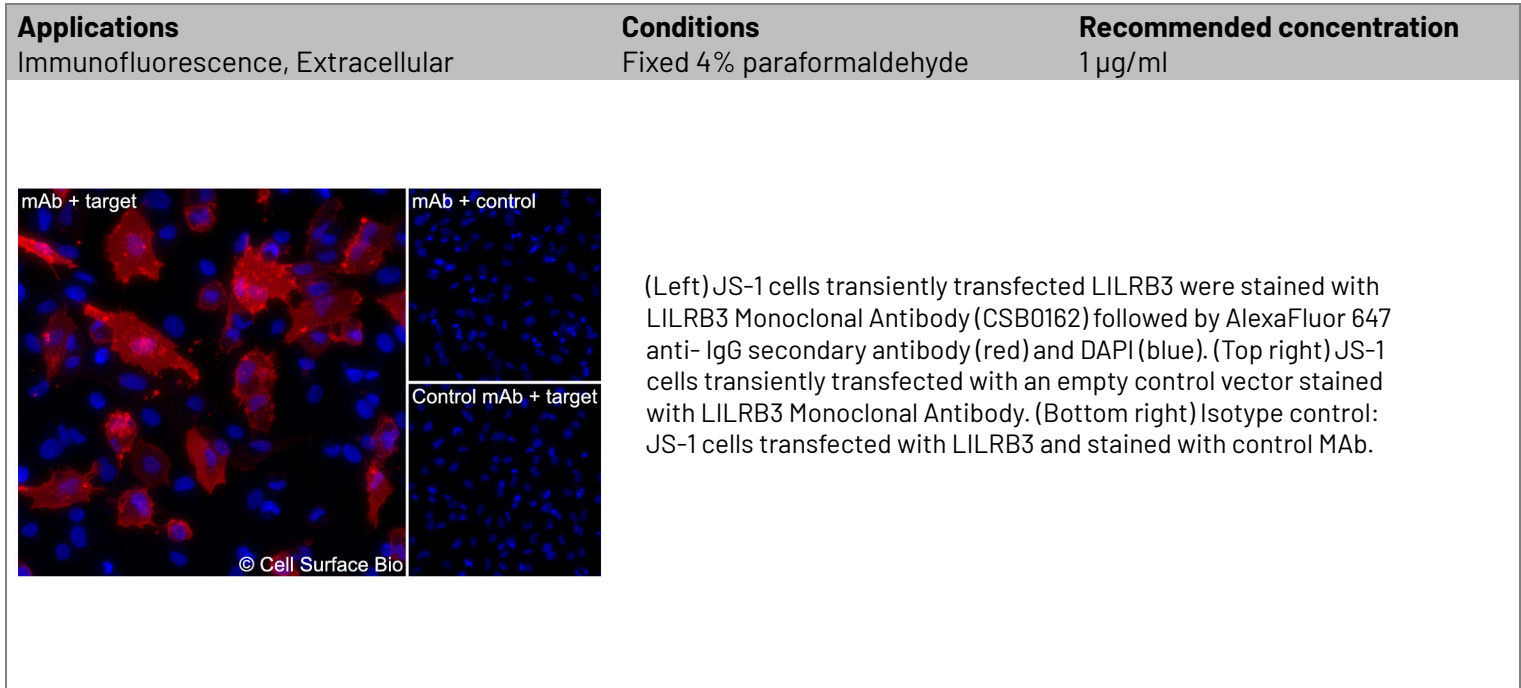
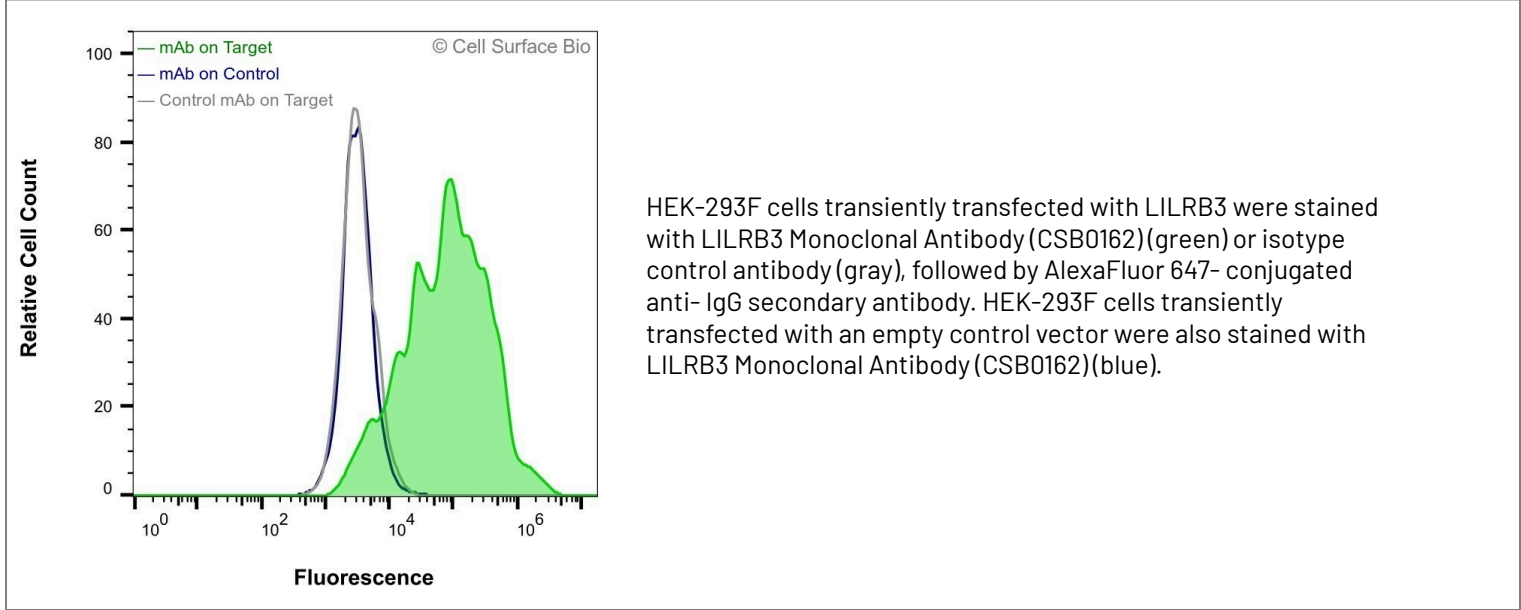
Shipping:	Shipped at ambient temperature. Store at 4°C.
Stability & Storage:	Stable for 12 months from date of receipt when stored at 4°C. Avoid repeated freeze-thaw cycles.

VALIDATION DATA
Membrane Proteome Specificity


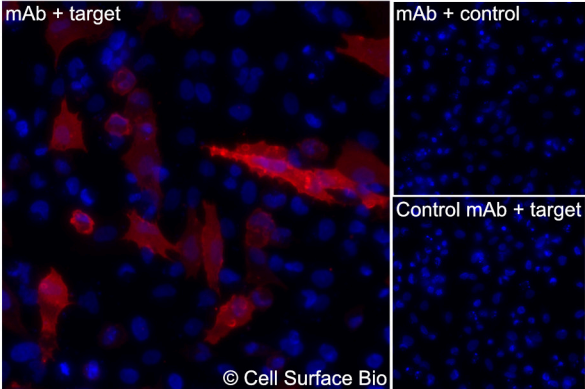
The specificity of LILRB3 Monoclonal Antibody (CSB0162) was tested on the Membrane Proteome Array™ and shown to be specific for LILRB3.

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, Intracellular	Fixed 4% paraformaldehyde, Permeabilized 0.1% Triton X-100	1 µg/ml



(Left) JS-1 cells transiently transfected LILRB3 were permeabilized and stained with LILRB3 Monoclonal Antibody (CSB0162) 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 LILRB3 Monoclonal Antibody. (Bottom right) Isotype control: JS-1 cells transfected with {{target}} and stained with control MAb.