Recombinant Mouse CD32b/FCGR2B Protein (His Tag)

Catalog Number: PKSM041016

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

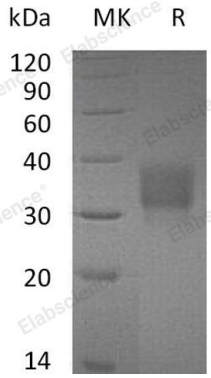
Description

Species	Mouse
Source	HEK293 Cells-derived Mouse CD32b/FCGR2B protein Thr30-Pro210, with an C-terminal His
Calculated MW	21.6 kDa
Observed MW	33 kDa
Accession	P08101
Bio-activity	Loaded Recombinant Mouse CD32b(C-6His) (PKSM041016) on HIS1K Biosensor, can bind Recombinant Mouse IgG1 Fc (PKSM041044) with an affinity constant of 0.388 uM as determined in BLI assay.

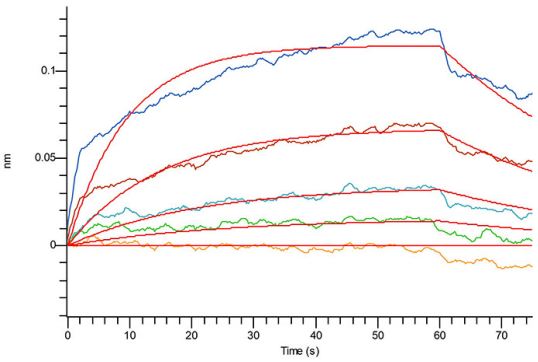
Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 ℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.



Loaded Recombinant Mouse CD32b(C-6His) (PKSM041016) on HIS1K Biosensor, can bind Recombinant Mouse IgG1 Fc (PKSM041044) with an affinity constant of 0.388 uM as determined in BLI assay.

Background

Low affinity immunoglobulin gamma Fc region receptor II (CD32B) is a single-pass type I membrane protein and contains 2 Ig-like C2-type (immunoglobulin-like) domains. The inhibitory CD32B is expressed on B cells and myeloid dendritic cells. Ligation of CD32B on B cells downregulates antibody production and may, in some circumstances, promote apoptosis. Co-ligation of CD32B on dendritic cells inhibits maturation and blocks cell activation. CD32B may also be a target formonoclonal antibody therapy for malignancies.

Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web:www.elabscience.com
Email:techsupport@elabscience.com