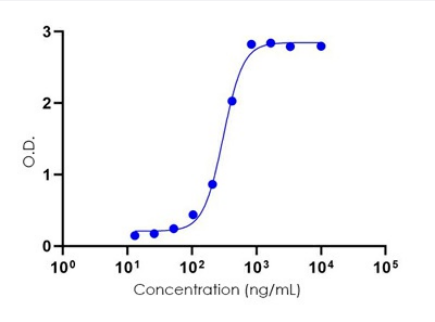
Bioactive HuPro®

LAG3 (Human) Recombinant Protein

Catalog # P7573 Size 1 mg

Applications



Result of bioactivity analysis

Result of bioactivity analysis

Specification

Product Description	Human LAG3 (P18627, 23 a.a. - 450 a.a.) partial recombinant protein with hFc tag at C-terminus expressed in HEK293 cell.
Sequence	LQPGAEVPVVWAQEGAPAQLPCSPTIPLQDLSLLRRAGVTWQHQPDSGPPAAAPGHPLAPGPH PAAPSSWGPRPRRYTVLSVGPGGLRSGRLPLQPRVQLDERGRQRGDFSLWLRPARRADAGEY RAAVHLRDRALSCRLRLRLGQASMTASPPGSLRASDWVILNCSFSRPDRPASVHWFRNRGQGR VPVRESPHHHLAESFLFLPQVSPMDSGPWGCILTYRDGFNVSIMYNLTVLGLEPPTPLTVYAGAG SRVGLPCRLPAGVGTRSFLTAKWTPPGGGPDLLVTGDNGDFTLRLEDVSQAQAGTYTCHIHLQE QQLNATVTLAIITVTPKSFGSPGSLGKLLCEVTPVSGQERFVWSSLDTPSQRSFSGPWLEAQEAQ LLSQPWQCQLYQGERLLGAAVYFTELSSPGAQRSGRAPGALPAGHL
Host	Mammals
Theoretical MW (kDa)	86
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of protein (determined by gel clotting method)

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Activity	Immobilized FGL-1-His (LC13SE1012) at 2.0 ug/mL (100 uL/well) can bind LAG-3/CD223, hFc, Human with EC_{50} = 0.306 ug/mL when detected by Mouse Anti–Human IgG FC-HRP.
Storage Buffer	Lyophilized from sterile distilled Water up to 100 ug/mL
Storage Instruction	Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis Result of bioactivity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — LAG3

Entrez GeneID	3902
Protein Accession#	P18627
Gene Name	LAG3
Gene Alias	CD223
Gene Description	lymphocyte-activation gene 3
Omim ID	153337
Gene Ontology	Hyperlink
Gene Summary	Lymphocyte-activation protein 3 belongs to Ig superfamily and contains 4 extracellular Ig-like domains. The LAG3 gene contains 8 exons. The sequence data, exon/intron organization, and chromosomal localization all indicate a close relationship of LAG3 to CD4. [provided by RefSeq
Other Designations	lymphocyte-activation protein 3

Disease

- Asthma

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- Diabetes Mellitus
- Genetic Predisposition to Disease
- Hematologic Diseases
- Hepatitis C
- Immune System Diseases
- Multiple Sclerosis
- Occupational Diseases

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