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Product Datasheet

Recombinant Human CD32a (H167,C-6His)
EBT-EPT162

Artikelname	Recombinant Human CD32a (H167,C-6His)
Artikelnummer	EBT-EPT162
Hersteller Artikelnummer	EPT162
Alternativnummer	EBT-EPT162-10
Hersteller	ELK Biotechnology
Kategorie	Proteine/Peptide
Produktbeschreibung	Recombinant Human Low Affinity Immunoglobulin Gamma Fc Region Receptor II-A(H167) is produced by our Mammalian expression system and the target gene encoding Ala36-Ile218 is expressed with a 6His tag at the C-terminus. It is identical to FCGR2A131H/R...
Molekulargewicht	Molecular weight: 21.1 KDa. Apparent molecular weight: 25-32 KDa, reducing conditions
UniProt	P12318
Reinheit	Greater than 95% as determined by reducing SDS-PAGE.

Anwendungsbeschreibung	Redissolve: Always centrifuge tubes before opening.Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.1 ng/µg (1 EU/µg) as determined by LAL test. Biological activity: Loaded Human CD32a-His(CatCS35) on HIS1K Biosensor, can bind Anti-Human HER2 mAb(CatGMP-A062) with an affinity constant of 0.6 uM as determined in BLI assay.. Background: Human FcgammaRs are divided into three classes designated FcgammaRI (CD64), FcgammaRII (CD32), and FcgammaRIII (CD16), which generate multiple isoforms, are recognized. The activating type receptor either has or associates noncovalently with an accessory subunit that has an immunoreceptor tyrosinebased activation motif (ITAM) in its cytoplasmic domain. FcgammaRI binds IgG with high affinity and functions during early immune responses, whereas FcgammaRII and RIII are low affinity receptors that recognize IgG as aggregates surrounding multivalent antigens during late immune responses.Human CD32, also known as Low affinity immunoglobulin gamma Fc region receptor II-a (IgG Fc receptor II-a), FcgammaRII A or FCGR2A Protein, is expressed on cells of both myeloid and lymphoid lineages as well as on cells of non-hematopoietic origin. Associated with an ITAM-bearing adapter subunit, FcRgamma, CD32a (FcgammaRII A) delivers an activating signal upon ligand binding, and results in the initiation of inflammatory responses including cytolysis, phagocytosis, degranulation, and cytokine production. The responses can be modulated by signals from the co-expressed inhibitory receptors such as Fcgamma RII B, and the strength of the signal is dependent on the ratio of expression of the activating and inhibitory receptors