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Product datasheet

Human Transferrin Receptor peptide ab101219

<u>1 References</u> 画像数 1

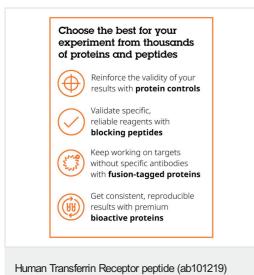
製品の詳細	
製品名	Human Transferrin Receptor peptide
精製度	> 70 % HPLC. 70 - 90% by HPLC
アクセッション番号	<u>P02786</u>
Animal free	No
由来	Synthetic
生物種	Human
特性	
Our Abpromise guarante	e covers the use of ab101219 in the following tested applications.
The application notes inclu	de recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
アプリケーション	Blocking - Blocking peptide for Anti-Transferrin Receptor antibody (ab84036)
製品の状態	Liquid
備考	 First try to dissolve a small amount of peptide in either water or buffer. The more charged residues on a peptide, the more soluble it is in aqueous solutions. If the peptide doesn't dissolve try an organic solvent e.g. DMSO, then dilute using water or buffer. Consider that any solvent used must be compatible with your assay. If a peptide does not dissolve and you need to recover it, lyophilise to remove the solvent. Gentle warming and sonication can effectively aid peptide solubilisation. If the solution is cloudy or has gelled the peptide may be in suspension rather than solubilised. Peptides containing cysteine are easily oxidised, so should be prepared in solution just prior to use.
前処理および保存	
保存方法および安定性	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Information available upon request.

関連情報

機能	Cellular uptake of iron occurs via receptor-mediated endocytosis of ligand-occupied transferrin receptor into specialized endosomes. Endosomal acidification leads to iron release. The apotransferrin-receptor complex is then recycled to the cell surface with a return to neutral pH and the concomitant loss of affinity of apotransferrin for its receptor. Transferrin receptor is necessary for development of erythrocytes and the nervous system (By similarity). A second ligand, the heditary hemochromatosis protein HFE, competes for binding with transferrin for an overlapping C-terminal binding site. Positively regulates T and B cell proliferation through iron uptake (PubMed:26642240). (Microbial infection) Acts as a receptor for new-world arenaviruses: Guanarito, Junin and Machupo virus.
関連疾患	Immunodeficiency 46
配列類似性	Belongs to the peptidase M28 family. M28B subfamily. Contains 1 PA (protease associated) domain.
翻訳後修飾	N- and O-glycosylated, phosphorylated and palmitoylated. The serum form is only glycosylated. Proteolytically cleaved on Arg-100 to produce the soluble serum form (sTfR). Palmitoylated on both Cys-62 and Cys-67. Cys-62 seems to be the major site of palmitoylation.
細胞内局在	Secreted and Cell membrane. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

画像



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