



ERAP2 blocking peptide (CDBP5419)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Aminopeptidases hydrolyze N-terminal amino acids of proteins or peptide substrates. Major histocompatibility complex (MHC) class I molecules rely on aminopeptidases such as ERAP1 (MIM 606832) and LRAP to trim precursors to antigenic peptides in the endoplasmic reticulum (ER) following cleavage in the cytoplasm by tripeptidyl peptidase II (TPP2; MIM 190470) (Tanioka et al., 2003 [PubMed 12799365]).[supplied by OMIM, Mar 2008]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	ERAP2 endoplasmic reticulum aminopeptidase 2 [Homo sapiens (human)]
Official Symbol	ERAP2
Synonyms	ERAP2; endoplasmic reticulum aminopeptidase 2; LRAP; L-RAP; leukocyte-derived arginine aminopeptidase
Entrez Gene ID	64167
mRNA Refseq	NM_001130140

Protein Refseq	NP_001123612
UniProt ID	Q6P179
Pathway	Adaptive Immune System; Antigen Presentation: Folding; Class I MHC mediated antigen processing and presentation; Immune System
Function	aminopeptidase activity; metallopeptidase activity; zinc ion binding